

**MANUAL DEL PROGRAMADOR:
SISTEMA DE GESTION DEL
DEPARTAMENTO DE TECNOLOGIA DE INFORMACION
(SGDTI)**

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BASE DE DATOS GESTION

Scripts

Tablas

```
CREATE TABLE [dbo].[Actividades] (  
    [cod_act] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [descripcion_act] [varchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [cod_proy] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [observaciones] [varchar] (200) COLLATE Modern_Spanish_CI_AS NULL ,  
    [fecha_inicio] [smalldatetime] NOT NULL ,  
    [fecha_limite] [smalldatetime] NOT NULL ,  
    [nivel_avance] [int] NOT NULL ,  
    [responsable] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[Actividades_HW] (  
    [cod_act] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [cod_hw] [nvarchar] (30) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [cantidad_hw] [int] NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[Actividades_SW] (  
    [cod_act] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [cod_sw] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [cantidad_sw] [int] NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[Actividades_personal] (  
    [cod_act] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [cod_emp] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[CATEGORIAS] (  
    [CODCATEGORIA] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT  
NULL ,  
    [CATEGORIA] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[CENTROS_DE_COSTOS] (  
    [CCCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [CCNOM] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [CCRESP] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[CODIGOS] (  
    [IDCODIGO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [DESCRIPCION] [nvarchar] (30) COLLATE Modern_Spanish_CI_AS NOT  
NULL ,  
    [IDMODULO] [nvarchar] (4) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[COMPRA_DET] (  
    [COMPNO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [EQUCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [CANTID] [int] NOT NULL ,  
    [COSTO] [money] NOT NULL ,  
    [CCCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [WARRANTYCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[COMPRA_HEADER] (  
    [COMPNO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [NOFACT] [nvarchar] (9) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [VDRCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [COMPFEC] [datetime] NOT NULL ,  
    [TIPFACT] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [USERCOD] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[CONTACTOS] (  
    [VDRNUM] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [VDRCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [VDRCONTACTO] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT  
NULL ,  
    [VDRPUESTO] [nvarchar] (25) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [VDREMAIL] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[COTIZA_DET] (  
    [COTIZANUM] [nvarchar] (9) COLLATE Modern_Spanish_CI_AS NOT NULL ,
```

```

        [EQUCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [DESCRIPCION] [nvarchar] (75) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [CANTIDAD] [int] NOT NULL ,
        [WARRANTYCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [COSTO] [money] NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[COTIZA_HEADER] (
        [COTIZANUM] [nvarchar] (9) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [FECHA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [VIDENCIADE] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL
,
        [VIGENCIAHASTA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [VDRCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [DELIVERYTIME] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [TIPPAGO] [nvarchar] (4) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [STATUS] [nvarchar] (4) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[DEPARTAMENTOS] (
        [CODDEPTO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [DEPARTAMENTO] [nvarchar] (35) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [USERCOD] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [FECHAOPER] [nvarchar] (15) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[DEVOLUCION_DET] (
        [NUMDEV] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [COMPNO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [EQUCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [CCCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [CANTID] [int] NOT NULL ,
        [MOTIVO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[DEVOLUCION_HEADER] (
        [NUMDEV] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [VDRCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,

```

```
        [FECHA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [USERNAME] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL
    ) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[EQUIPOS] (
    [EQUCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [EQUdesc] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [Comments] [nvarchar] (100) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[EQUIPO_X_UBICACION] (
    [noserie] [nvarchar] (30) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [codarea] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [codarea_ant] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[FABRICANTES] (
    [FABCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FABNOM] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FABURL] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[GASTOSPER_DET] (
    [Numpag] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [NUMFACT] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FECHA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [MONTO] [money] NOT NULL ,
    [TIPGASTO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [COMMENTS] [nvarchar] (100) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO
```

```
CREATE TABLE [dbo].[GASTOSPER_HEADER] (
    [Numpag] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FECHA1] [datetime] NOT NULL ,
    [FECHA2] [datetime] NOT NULL ,
    [CCCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FECHAING] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [STATUS] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [USERCOD] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO
```

```

CREATE TABLE [dbo].[HARDWARE] (
    [NOSERIE] [nvarchar] (30) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [EQUCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [DESCRIPCION] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
    [FABCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [VDRCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FECCOMPRA] [datetime] NULL ,
    [ULTREP] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NULL ,
    [COMMENTS] [nvarchar] (100) COLLATE Modern_Spanish_CI_AS NULL ,
    [STATUS] [nvarchar] (2) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [USERCOD] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [COMPNO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[PAISES] (
    [CODPAIS] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [NOMBRE] [nvarchar] (20) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [REGION] [nvarchar] (20) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[PARAMETROS_SISTEMA] (
    [NOMBRE_EMP] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
    [NIT_EMP] [nvarchar] (17) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [TEL1_EMP] [nvarchar] (8) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [TEL2_EMP] [nvarchar] (8) COLLATE Modern_Spanish_CI_AS NULL ,
    [LOGO1] [nvarchar] (128) COLLATE Modern_Spanish_CI_AS NULL ,
    [LOGO2] [nvarchar] (128) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [DIRECCION_EMP] [nvarchar] (100) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
    [URL_EMP] [nvarchar] (128) COLLATE Modern_Spanish_CI_AS NULL ,
    [EMAIL_EMP] [nvarchar] (128) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[PRESUPUESTOS] (
    [CCCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [PRESUPUESTO] [money] NOT NULL ,
    [SALDO] [money] NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[PROVEEDORES] (
    [VDRCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,

```

```

[VDRNOM] [nvarchar] (80) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[VDRRAZON] [nvarchar] (80) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[VDRDIR] [nvarchar] (100) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[VDRTEL1] [nvarchar] (15) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[VDRTEL2] [nvarchar] (15) COLLATE Modern_Spanish_CI_AS NULL ,
[VDRURL] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NULL ,
[VDRSTATUS] [int] NOT NULL ,
[VDRTIP] [int] NOT NULL ,
[VDRPAIS] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[VDRNIT] [nvarchar] (25) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[FECHAOPER] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
[USUARIO] [nvarchar] (25) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[PUESTOS] (
    [JOB COD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [JOB DESC] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [JOB DEPTO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[Proyectos] (
    [cod_proy] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [nombre_proy] [varchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [descripcion_proy] [varchar] (250) COLLATE Modern_Spanish_CI_AS NULL ,
    [responsable] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [depto_beneficiado] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
    [fecha_inicio] [smalldatetime] NOT NULL ,
    [fecha_limite] [smalldatetime] NOT NULL ,
    [estado_proy] [bit] NOT NULL ,
    [nivel_avance] [int] NOT NULL
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[REPARACIONES] (
    [IDREP] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [NOSERIE] [nvarchar] (30) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [FECHAREP] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [MOTIVO] [nvarchar] (150) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [PROCEDIMIENTO] [nvarchar] (150) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
    [USERCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
    [CODCATEGORIA] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT
NULL
) ON [PRIMARY]

```

GO

```
CREATE TABLE [dbo].[REQUIINT_DET] (  
    [REQUIINTNUM] [nvarchar] (12) COLLATE Modern_Spanish_CI_AS NOT  
NULL ,  
    [EQUCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [CANT] [int] NOT NULL ,  
    [MOTIVO] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [DESTINO] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[REQUIINT_HEADER] (  
    [REQUIINTNUM] [nvarchar] (12) COLLATE Modern_Spanish_CI_AS NOT  
NULL ,  
    [CCCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [FECHA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [USERCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [STATUS] [char] (1) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[SOFTWARE] (  
    [CODSOFT] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [NOMSOFT] [nvarchar] (75) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [NUMPARTESOFT] [nvarchar] (20) COLLATE Modern_Spanish_CI_AS NOT  
NULL ,  
    [VERSIONSOFT] [nvarchar] (20) COLLATE Modern_Spanish_CI_AS NOT  
NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[SOFTWARE_X_USUARIO] (  
    [ID] [numeric](18, 0) IDENTITY (1, 1) NOT NULL ,  
    [CODIGO] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [CODSOFT] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[TIPOS_GASTOS] (  
    [CodGasto] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,  
    [Descripcion] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL  
) ON [PRIMARY]  
GO
```

```
CREATE TABLE [dbo].[TRASLADO_DET] (  

```

```

        [NUMTRASLADO] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [NOSERIE] [nvarchar] (30) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [CODAREA] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [TIPOTRASALADO] [char] (1) COLLATE Modern_Spanish_CI_AS NULL
) ON [PRIMARY]
GO

CREATE TABLE [dbo].[TRASLADO_HEADER] (
        [NUMTRASLADO] [nvarchar] (7) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [FECHATRASLADO] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT
NULL ,
        [USERCOD] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [AUTORIZA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [MOTIVO] [nvarchar] (100) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

CREATE TABLE [dbo].[UBICACIONES] (
        [CODUBICA] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [NOMUBICA] [nvarchar] (75) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [DIRUBICA] [nvarchar] (75) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [TELUBICA] [nvarchar] (8) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [RESPUBICA] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

CREATE TABLE [dbo].[UBICACION_AREA] (
        [CODAREA] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [CODUBICA] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [NOMAREA] [nvarchar] (50) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

CREATE TABLE [dbo].[USUARIOS] (
        [USERNAME] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [NOMBRE] [nvarchar] (75) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [JOBCOD] [nvarchar] (6) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [USERPASS] [nvarchar] (10) COLLATE Modern_Spanish_CI_AS NOT NULL ,
        [USERTIP] [nvarchar] (25) COLLATE Modern_Spanish_CI_AS NOT NULL
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[CATEGORIAS] WITH NOCHECK ADD
        CONSTRAINT [PK_CATEGORIAS] PRIMARY KEY CLUSTERED
        (

```

```

        [CODCATEGORIA]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[CENTROS_DE_COSTOS] WITH NOCHECK ADD
    CONSTRAINT [PK_CCTAB] PRIMARY KEY CLUSTERED
    (
        [CCCOD]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[CODIGOS] WITH NOCHECK ADD
    CONSTRAINT [PK_CODIGOS] PRIMARY KEY CLUSTERED
    (
        [IDCODIGO]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[COMPRA_HEADER] WITH NOCHECK ADD
    CONSTRAINT [PK_COMPRA_HEADER] PRIMARY KEY CLUSTERED
    (
        [COMPNO]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[CONTACTOS] WITH NOCHECK ADD
    CONSTRAINT [PK_VDRTAB_DET] PRIMARY KEY CLUSTERED
    (
        [VDRNUM]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[COTIZA_HEADER] WITH NOCHECK ADD
    CONSTRAINT [PK_COTIZA_HEADER] PRIMARY KEY CLUSTERED
    (
        [COTIZANUM]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[DEPARTAMENTOS] WITH NOCHECK ADD
    CONSTRAINT [PK_DEPARTAMENTOS] PRIMARY KEY CLUSTERED
    (
        [CODDEPTO]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[DEVOLUCION_HEADER] WITH NOCHECK ADD

```

```

        CONSTRAINT [PK_DEVOLUCION_HEADER] PRIMARY KEY CLUSTERED
        (
            [NUMDEV]
        ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[EQUIPOS] WITH NOCHECK ADD
    CONSTRAINT [PK_EQUTAB] PRIMARY KEY CLUSTERED
    (
        [EQUCOD]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[FABRICANTES] WITH NOCHECK ADD
    CONSTRAINT [PK_FABTAB] PRIMARY KEY CLUSTERED
    (
        [FABCOD]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[GASTOSPER_HEADER] WITH NOCHECK ADD
    CONSTRAINT [PK_GASTOSPER_HEADER] PRIMARY KEY CLUSTERED
    (
        [NUMPAG]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[HARDWARE] WITH NOCHECK ADD
    CONSTRAINT [PK_HARDWARE] PRIMARY KEY CLUSTERED
    (
        [NOSERIE]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[PAISES] WITH NOCHECK ADD
    CONSTRAINT [PK_PAISES] PRIMARY KEY CLUSTERED
    (
        [CODPAIS]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[PROVEEDORES] WITH NOCHECK ADD
    CONSTRAINT [PK_VDRTAB] PRIMARY KEY CLUSTERED
    (
        [VDRCOD]
    ) ON [PRIMARY]
GO

```

```
ALTER TABLE [dbo].[PUESTOS] WITH NOCHECK ADD
    CONSTRAINT [PK_JOBSTAB] PRIMARY KEY CLUSTERED
    (
        [JOB COD]
    ) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[REPARACIONES] WITH NOCHECK ADD
    CONSTRAINT [PK_REPARACIONES] PRIMARY KEY CLUSTERED
    (
        [IDREP]
    ) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[REQUIINT_HEADER] WITH NOCHECK ADD
    CONSTRAINT [PK_REQUIINT_HEADER] PRIMARY KEY CLUSTERED
    (
        [REQUIINTNUM]
    ) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[SOFTWARE] WITH NOCHECK ADD
    CONSTRAINT [PK_SOFTWARE] PRIMARY KEY CLUSTERED
    (
        [CODSOFT]
    ) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[SOFTWARE_X_USUARIO] WITH NOCHECK ADD
    CONSTRAINT [PK_SOFTWARE_X_USUARIO] PRIMARY KEY
    CLUSTERED
    (
        [ID]
    ) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[TIPOS_GASTOS] WITH NOCHECK ADD
    CONSTRAINT [PK_TIPOS_GASTOS] PRIMARY KEY CLUSTERED
    (
        [CodGasto]
    ) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[TRASLADO_HEADER] WITH NOCHECK ADD
    CONSTRAINT [PK_TRASLADO_HEADER] PRIMARY KEY CLUSTERED
    (
```

```

        [NUMTRASLADO]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[UBICACIONES] WITH NOCHECK ADD
    CONSTRAINT [PK_UBICACIONES] PRIMARY KEY CLUSTERED
    (
        [CODUBICA]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[UBICACION_AREA] WITH NOCHECK ADD
    CONSTRAINT [PK_UBICACION_AREA] PRIMARY KEY CLUSTERED
    (
        [CODAREA]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[USUARIOS] WITH NOCHECK ADD
    CONSTRAINT [PK_USERTAB] PRIMARY KEY CLUSTERED
    (
        [USERNAME]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Actividades] WITH NOCHECK ADD
    CONSTRAINT [PK_Actividades] PRIMARY KEY NONCLUSTERED
    (
        [cod_act]
    ) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Actividades_SW] WITH NOCHECK ADD
    CONSTRAINT [DF_Actividades_SW_cantidad_sw] DEFAULT (0) FOR
[cantidad_sw]
GO

ALTER TABLE [dbo].[FABRICANTES] WITH NOCHECK ADD
    CONSTRAINT [DF_FABRICANTES_FABURL] DEFAULT (N'-----') FOR
[FABURL]
GO

ALTER TABLE [dbo].[HARDWARE] WITH NOCHECK ADD
    CONSTRAINT [DF_HARDWARE_ULTRREP] DEFAULT (N'NO') FOR
[ULTRREP],
    CONSTRAINT [DF_HARDWARE_COMMENTS] DEFAULT (N'NO') FOR
[COMMENTS],

```

```
CONSTRAINT [DF_HARDWARE_COMPNO] DEFAULT (N'NO') FOR  
[COMPNO]  
GO
```

```
ALTER TABLE [dbo].[Proyectos] WITH NOCHECK ADD  
CONSTRAINT [DF_Proyectos_estado_proy] DEFAULT (1) FOR [estado_proy],  
CONSTRAINT [DF_Proyectos_nivel_avance] DEFAULT (0) FOR [nivel_avance],  
CONSTRAINT [PK_Proyectos] PRIMARY KEY NONCLUSTERED  
(  
    [cod_proy]  
) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_COMPRA_DET] ON [dbo].[COMPRA_DET]([COMPNO],  
[EQUCOD], [CCCOD]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_COMPRA_HEADER] ON  
[dbo].[COMPRA_HEADER]([COMPNO], [VDRCOD]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_COTIZA_DET] ON [dbo].[COTIZA_DET]([COTIZANUM],  
[EQUCOD], [WARRANTYCOD]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_COTIZA_HEADER] ON  
[dbo].[COTIZA_HEADER]([COTIZANUM], [VDRCOD]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_DEVOLUCION_DET] ON  
[dbo].[DEVOLUCION_DET]([NUMDEV], [EQUCOD], [CCCOD], [MOTIVO]) ON  
[PRIMARY]  
GO
```

```
CREATE INDEX [IX_DEVOLUCION_HEADER] ON  
[dbo].[DEVOLUCION_HEADER]([NUMDEV], [VDRCOD]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_GASTOSPER_DET] ON  
[dbo].[GASTOSPER_DET]([NUMPAG], [TIPGASTO]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_GASTOSPER_HEADER] ON  
[dbo].[GASTOSPER_HEADER]([NUMPAG], [USERCOD]) ON [PRIMARY]  
GO
```

```
CREATE INDEX [IX_GASTOSPER_HEADER_1] ON
[dbo].[GASTOSPER_HEADER]([FECHA1], [FECHA2]) ON [PRIMARY]
GO
```

```
CREATE INDEX [IX_HARDWARE] ON [dbo].[HARDWARE]([NOSERIE],
[EQUUCOD], [VDRCOD]) ON [PRIMARY]
GO
```

```
CREATE INDEX [IX_REPARACIONES] ON [dbo].[REPARACIONES]([IDREP],
[MOTIVO], [CODCATEGORIA]) ON [PRIMARY]
GO
```

```
CREATE INDEX [IX TRASLADO_DET] ON
[dbo].[TRASLADO_DET]([NUMTRASLADO], [TIPOTRASALADO]) ON [PRIMARY]
GO
```

```
CREATE INDEX [IX TRASLADO_HEADER] ON
[dbo].[TRASLADO_HEADER]([NUMTRASLADO], [USERCOD]) ON [PRIMARY]
GO
```

```
CREATE INDEX [IX_UBICACION_AREA] ON
[dbo].[UBICACION_AREA]([CODAREA], [CODUBICA]) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Actividades] ADD
    CONSTRAINT [FK_Actividades_Proyectos] FOREIGN KEY
    (
        [cod_proy]
    ) REFERENCES [dbo].[Proyectos] (
        [cod_proy]
    )
GO
```

```
ALTER TABLE [dbo].[Actividades_HW] ADD
    CONSTRAINT [FK_Actividades_HW_Actividades] FOREIGN KEY
    (
        [cod_act]
    ) REFERENCES [dbo].[Actividades] (
        [cod_act]
    ),
    CONSTRAINT [FK_Actividades_HW_HARDWARE] FOREIGN KEY
    (
        [cod_hw]
    ) REFERENCES [dbo].[HARDWARE] (
        [NOSERIE]
    )
GO
```

```

ALTER TABLE [dbo].[Actividades_SW] ADD
    CONSTRAINT [FK_Actividades_SW_Actividades] FOREIGN KEY
    (
        [cod_act]
    ) REFERENCES [dbo].[Actividades] (
        [cod_act]
    ),
    CONSTRAINT [FK_Actividades_SW_SOFTWARE] FOREIGN KEY
    (
        [cod_sw]
    ) REFERENCES [dbo].[SOFTWARE] (
        [CODSOFT]
    )
GO

```

```

ALTER TABLE [dbo].[Actividades_personal] ADD
    CONSTRAINT [FK_Actividades_personal_Actividades] FOREIGN KEY
    (
        [cod_act]
    ) REFERENCES [dbo].[Actividades] (
        [cod_act]
    ),
    CONSTRAINT [FK_Actividades_personal_USUARIOS] FOREIGN KEY
    (
        [cod_emp]
    ) REFERENCES [dbo].[USUARIOS] (
        [USERNAME]
    )
GO

```

```

ALTER TABLE [dbo].[CENTROS_DE_COSTOS] ADD
    CONSTRAINT [FK_CENTROS_DE_COSTOS_USUARIOS] FOREIGN KEY
    (
        [CCRESP]
    ) REFERENCES [dbo].[USUARIOS] (
        [USERNAME]
    )
GO

```

```

ALTER TABLE [dbo].[COMPRA_DET] ADD
    CONSTRAINT [FK_COMPRA_DET_CENTROS_DE_COSTOS] FOREIGN KEY
    (
        [CCCOD]
    ) REFERENCES [dbo].[CENTROS_DE_COSTOS] (
        [CCCOD]
    ),

```

```

CONSTRAINT [FK_COMPRA_DET_CODIGOS] FOREIGN KEY
(
    [WARRANTYCOD]
) REFERENCES [dbo].[CODIGOS] (
    [IDCODIGO]
),
CONSTRAINT [FK_COMPRA_DET_COMPRA_HEADER] FOREIGN KEY
(
    [COMPNO]
) REFERENCES [dbo].[COMPRA_HEADER] (
    [COMPNO]
),
CONSTRAINT [FK_COMPRA_DET_EQUTAB] FOREIGN KEY
(
    [EQUCOD]
) REFERENCES [dbo].[EQUIPOS] (
    [EQUCOD]
)
GO

```

```

ALTER TABLE [dbo].[COMPRA_HEADER] ADD
CONSTRAINT [FK_COMPRA_HEADER_VDRTAB] FOREIGN KEY
(
    [VDRCOD]
) REFERENCES [dbo].[PROVEEDORES] (
    [VDRCOD]
)
GO

```

```

ALTER TABLE [dbo].[CONTACTOS] ADD
CONSTRAINT [FK_CONTACTOS_PROVEEDORES] FOREIGN KEY
(
    [VDRCOD]
) REFERENCES [dbo].[PROVEEDORES] (
    [VDRCOD]
)
GO

```

```

ALTER TABLE [dbo].[COTIZA_DET] ADD
CONSTRAINT [FK_COTIZA_DET_CODIGOS] FOREIGN KEY
(
    [WARRANTYCOD]
) REFERENCES [dbo].[CODIGOS] (
    [IDCODIGO]
),
CONSTRAINT [FK_COTIZA_DET_COTIZA_HEADER] FOREIGN KEY
(

```

```

        [COTIZANUM]
    ) REFERENCES [dbo].[COTIZA_HEADER] (
        [COTIZANUM]
    ),
    CONSTRAINT [FK_COTIZA_DET_EQUIPOS] FOREIGN KEY
    (
        [EQUCOD]
    ) REFERENCES [dbo].[EQUIPOS] (
        [EQUCOD]
    )
GO

ALTER TABLE [dbo].[COTIZA_HEADER] ADD
    CONSTRAINT [FK_COTIZA_HEADER_VDRTAB] FOREIGN KEY
    (
        [VDRCOD]
    ) REFERENCES [dbo].[PROVEEDORES] (
        [VDRCOD]
    )
GO

ALTER TABLE [dbo].[DEPARTAMENTOS] ADD
    CONSTRAINT [FK_DEPARTAMENTOS_USUARIOS] FOREIGN KEY
    (
        [USERCOD]
    ) REFERENCES [dbo].[USUARIOS] (
        [USERNAME]
    )
GO

ALTER TABLE [dbo].[DEVOLUCION_DET] ADD
    CONSTRAINT [FK_DEVOLUCION_DET_COMPRA_HEADER] FOREIGN
KEY
    (
        [COMPNO]
    ) REFERENCES [dbo].[COMPRA_HEADER] (
        [COMPNO]
    ),
    CONSTRAINT [FK_DEVOLUCION_DET_DEVOLUCION_HEADER]
FOREIGN KEY
    (
        [NUMDEV]
    ) REFERENCES [dbo].[DEVOLUCION_HEADER] (
        [NUMDEV]
    ),
    CONSTRAINT [FK_DEVOLUCION_DET_EQUIPOS] FOREIGN KEY
    (

```

```

        [EQUCOD]
    ) REFERENCES [dbo].[EQUIPOS] (
        [EQUCOD]
    )
GO

ALTER TABLE [dbo].[DEVOLUCION_HEADER] ADD
    CONSTRAINT [FK_DEVOLUCION_HEADER_PROVEEDORES] FOREIGN
KEY
    (
        [VDRCOD]
    ) REFERENCES [dbo].[PROVEEDORES] (
        [VDRCOD]
    ),
    CONSTRAINT [FK_DEVOLUCION_HEADER_USUARIOS] FOREIGN KEY
    (
        [USERNAME]
    ) REFERENCES [dbo].[USUARIOS] (
        [USERNAME]
    )
GO

ALTER TABLE [dbo].[EQUIPO_X_UBICACION] ADD
    CONSTRAINT [FK_EQUIPO_X_UBICACION_HARDWARE] FOREIGN KEY
    (
        [noserie]
    ) REFERENCES [dbo].[HARDWARE] (
        [NOSERIE]
    ),
    CONSTRAINT [FK_EQUIPO_X_UBICACION_UBICACION_AREA] FOREIGN
KEY
    (
        [codarea]
    ) REFERENCES [dbo].[UBICACION_AREA] (
        [CODAREA]
    ),
    CONSTRAINT [FK_EQUIPO_X_UBICACION_UBICACION_AREA1]
FOREIGN KEY
    (
        [codarea_ant]
    ) REFERENCES [dbo].[UBICACION_AREA] (
        [CODAREA]
    )
GO

ALTER TABLE [dbo].[GASTOSPER_DET] ADD

```

```

KEY
    CONSTRAINT [FK_GASTOSPER_DET_GASTOSPER_HEADER] FOREIGN
    (
        [NUMPAG]
    ) REFERENCES [dbo].[GASTOSPER_HEADER] (
        [NUMPAG]
    ),
    CONSTRAINT [FK_GASTOSPER_DET_TIPOS_GASTOS] FOREIGN KEY
    (
        [TIPGASTO]
    ) REFERENCES [dbo].[TIPOS_GASTOS] (
        [CodGasto]
    )
GO

ALTER TABLE [dbo].[GASTOSPER_HEADER] ADD
    CONSTRAINT [FK_GASTOSPER_HEADER_CCTAB] FOREIGN KEY
    (
        [CCCOD]
    ) REFERENCES [dbo].[CENTROS_DE_COSTOS] (
        [CCCOD]
    )
GO

ALTER TABLE [dbo].[HARDWARE] ADD
    CONSTRAINT [FK_HARDWARE_COMPRA_HEADER] FOREIGN KEY
    (
        [COMPNO]
    ) REFERENCES [dbo].[COMPRA_HEADER] (
        [COMPNO]
    ),
    CONSTRAINT [FK_HARDWARE_EQUTAB] FOREIGN KEY
    (
        [EQUCOD]
    ) REFERENCES [dbo].[EQUIPOS] (
        [EQUCOD]
    ),
    CONSTRAINT [FK_HARDWARE_FABTAB] FOREIGN KEY
    (
        [FABCOD]
    ) REFERENCES [dbo].[FABRICANTES] (
        [FABCOD]
    ),
    CONSTRAINT [FK_HARDWARE_VDRTAB] FOREIGN KEY
    (
        [VDRCOD]
    ) REFERENCES [dbo].[PROVEEDORES] (

```

```

        [VDRCOD]
    )
GO

ALTER TABLE [dbo].[PRESUPUESTOS] ADD
    CONSTRAINT [FK_PRESUPUESTOS_CENTROS_DE_COSTOS] FOREIGN
KEY
    (
        [CCCOD]
    ) REFERENCES [dbo].[CENTROS_DE_COSTOS] (
        [CCCOD]
    )
GO

ALTER TABLE [dbo].[PROVEEDORES] ADD
    CONSTRAINT [FK_PROVEEDORES_PAISES] FOREIGN KEY
    (
        [VDRPAIS]
    ) REFERENCES [dbo].[PAISES] (
        [CODPAIS]
    )
GO

ALTER TABLE [dbo].[PUESTOS] ADD
    CONSTRAINT [FK_PUESTOS_DEPARTAMENTOS] FOREIGN KEY
    (
        [JOBDEPTO]
    ) REFERENCES [dbo].[DEPARTAMENTOS] (
        [CODDEPTO]
    )
GO

ALTER TABLE [dbo].[Proyectos] ADD
    CONSTRAINT [FK_Proyectos_DEPARTAMENTOS] FOREIGN KEY
    (
        [depto_beneficiado]
    ) REFERENCES [dbo].[DEPARTAMENTOS] (
        [CODDEPTO]
    ),
    CONSTRAINT [FK_Proyectos_USUARIOS] FOREIGN KEY
    (
        [responsable]
    ) REFERENCES [dbo].[USUARIOS] (
        [USERNAME]
    )
GO

```

```

ALTER TABLE [dbo].[REPARACIONES] ADD
    CONSTRAINT [FK_REPARACIONES_CATEGORIAS] FOREIGN KEY
    (
        [CODCATEGORIA]
    ) REFERENCES [dbo].[CATEGORIAS] (
        [CODCATEGORIA]
    ),
    CONSTRAINT [FK_REPARACIONES_HARDWARE] FOREIGN KEY
    (
        [NOSERIE]
    ) REFERENCES [dbo].[HARDWARE] (
        [NOSERIE]
    )
GO

```

```

ALTER TABLE [dbo].[REQUIINT_DET] ADD
    CONSTRAINT [FK_REQUIINT_DET_EQUIPOS] FOREIGN KEY
    (
        [EQUCOD]
    ) REFERENCES [dbo].[EQUIPOS] (
        [EQUCOD]
    ),
    CONSTRAINT [FK_REQUIINT_DET_REQUIINT_HEADER] FOREIGN KEY
    (
        [REQUIINTNUM]
    ) REFERENCES [dbo].[REQUIINT_HEADER] (
        [REQUIINTNUM]
    )
GO

```

```

ALTER TABLE [dbo].[REQUIINT_HEADER] ADD
    CONSTRAINT [FK_REQUIINT_HEADER_CCTAB] FOREIGN KEY
    (
        [CCCOD]
    ) REFERENCES [dbo].[CENTROS_DE_COSTOS] (
        [CCCOD]
    )
GO

```

```

ALTER TABLE [dbo].[SOFTWARE_X_USUARIO] ADD
    CONSTRAINT [FK_SOFTWARE_X_USUARIO_PUESTOS] FOREIGN KEY
    (
        [CODIGO]
    ) REFERENCES [dbo].[PUESTOS] (
        [JOB COD]
    ),
    CONSTRAINT [FK_SOFTWARE_X_USUARIO_SOFTWARE] FOREIGN KEY

```

```

        (
            [CODSOFT]
        ) REFERENCES [dbo].[SOFTWARE] (
            [CODSOFT]
        )
GO

ALTER TABLE [dbo].[TRASLADO_DET] ADD
    CONSTRAINT [FK_TRASLADO_DET_HARDWARE] FOREIGN KEY
    (
        [NOSERIE]
    ) REFERENCES [dbo].[HARDWARE] (
        [NOSERIE]
    ),
    CONSTRAINT [FK_TRASLADO_DET_TRASLADO_HEADER] FOREIGN
KEY
    (
        [NUMTRASLADO]
    ) REFERENCES [dbo].[TRASLADO_HEADER] (
        [NUMTRASLADO]
    ),
    CONSTRAINT [FK_TRASLADO_DET_UBICACION_AREA] FOREIGN KEY
    (
        [CODAREA]
    ) REFERENCES [dbo].[UBICACION_AREA] (
        [CODAREA]
    )
GO

ALTER TABLE [dbo].[UBICACIONES] ADD
    CONSTRAINT [FK_UBICACIONES_USUARIOS] FOREIGN KEY
    (
        [RESPUBLICA]
    ) REFERENCES [dbo].[USUARIOS] (
        [USERNAME]
    )
GO

ALTER TABLE [dbo].[UBICACION_AREA] ADD
    CONSTRAINT [FK_UBICACION_AREA_UBICACIONES] FOREIGN KEY
    (
        [CODUBICA]
    ) REFERENCES [dbo].[UBICACIONES] (
        [CODUBICA]
    )
GO

```

Vistas

```
CREATE VIEW dbo.Vista_Comparativo_Cotizaciones
AS
SELECT  B.EQUCOD, C.EQUdesc, D.VDRNOM, B.DESCRIPCION,
A.DELIVERYTIME, B.WARRANTYCOD, B.COSTO, A.COTIZANUM
FROM    dbo.COTIZA_HEADER A INNER JOIN
        dbo.COTIZA_DET B ON A.COTIZANUM = B.COTIZANUM INNER
JOIN
        dbo.EQUIPOS C ON B.EQUCOD = C.EQUCOD INNER JOIN
        dbo.PROVEEDORES D ON A.VDRCOD = D.VDRCOD
```

```
GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_NULLS ON
GO
```

```
CREATE VIEW dbo.Vista_Cotizaciones
AS
SELECT  A.COTIZANUM, D.VDRNOM, B.EQUCOD, C.EQUdesc,
B.DESCRIPCION, B.COSTO
FROM    dbo.COTIZA_HEADER A INNER JOIN
        dbo.COTIZA_DET B ON A.COTIZANUM = B.COTIZANUM INNER
JOIN
        dbo.EQUIPOS C ON B.EQUCOD = C.EQUCOD INNER JOIN
        dbo.PROVEEDORES D ON A.VDRCOD = D.VDRCOD
```

```
GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_NULLS ON
GO
```

```
CREATE VIEW dbo.Vista_Detalle_Reparaciones
AS
```

```

SELECT  A.NOSERIE, C.DESCRIPCION, A.FECHAREP, B.CATEGORIA AS
Categoria, A.MOTIVO, A.PROCEDIMIENTO
FROM    dbo.REPARACIONES A INNER JOIN
        dbo.CATEGORIAS B ON A.CODCATEGORIA = B.CODCATEGORIA
INNER JOIN
        dbo.HARDWARE C ON A.NOSERIE = C.NOSERIE

```

```

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO
SET ANSI_NULLS ON
GO

```

```

CREATE VIEW dbo.Vista_Equipos_X_Ubicacion
AS
SELECT  D.CODUBICA, D.NOMUBICA, E.CODAREA, E.NOMAREA, A.noserie,
B.EQUCOD, B.DESCRIPCION
FROM    dbo.UBICACION_AREA E INNER JOIN
        dbo.UBICACIONES D ON E.CODUBICA = D.CODUBICA INNER JOIN
        dbo.EQUIPOS C INNER JOIN
        dbo.HARDWARE B ON C.EQUCOD = B.EQUCOD INNER JOIN
        dbo.EQUIPO_X_UBICACION A ON B.NOSERIE = A.noserie ON
E.CODAREA = A.codarea

```

```

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO
SET ANSI_NULLS ON
GO

```

```

CREATE VIEW dbo.Vista_GastosPersonalTI
AS
SELECT  a.NUMPAG, a.FECHA1, a.FECHA2, B.FECHA, B.NUMFACT,
c.Descripcion, B.MONTO, SUM(B.MONTO) AS total
FROM    dbo.GASTOSPER_HEADER a INNER JOIN
        dbo.GASTOSPER_DET B ON a.NUMPAG = B.NUMPAG INNER JOIN
        dbo.TIPOS_GASTOS c ON B.TIPGASTO = c.CodGasto

```

```
GROUP BY a.NUMPAG, a.FECHA1, a.FECHA2, B.FECHA, B.NUMFACT,  
c.Descripcion, B.MONTO
```

```
GO  
SET QUOTED_IDENTIFIER OFF  
GO  
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO  
SET ANSI_NULLS ON  
GO
```

```
CREATE VIEW dbo.Vista_Gastos_X_CC  
AS  
SELECT A.CCCOD, B.CCNOM, SUM(A.CANTID * A.COSTO) AS TOTAL  
FROM dbo.COMPRA_DET A INNER JOIN  
dbo.COMPRA_HEADER c ON A.COMPNO = c.COMPNO INNER JOIN  
dbo.CENTROS_DE_COSTOS B ON A.CCCOD = B.CCCOD  
GROUP BY A.CCCOD, B.CCNOM
```

```
GO  
SET QUOTED_IDENTIFIER OFF  
GO  
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO  
SET ANSI_NULLS ON  
GO
```

```
CREATE VIEW dbo.Vista_Gastos_X_Departamento  
AS  
SELECT E.COMPFEC, A.DEPARTAMENTO, B.CCNOM, SUM(F.COSTO *  
F.CANTID) AS TOTAL  
FROM dbo.COMPRA_DET F INNER JOIN  
dbo.COMPRA_HEADER E ON F.COMPNO = E.COMPNO INNER JOIN  
dbo.CENTROS_DE_COSTOS B INNER JOIN  
dbo.USUARIOS C ON B.CCRES = C.USERNAME INNER JOIN  
dbo.DEPARTAMENTOS A INNER JOIN  
dbo.PUESTOS D ON A.CODDEPTO = D.JOBDEPTO ON C.JOBCOD =  
D.JOBCOD ON F.CCCOD = B.CCCOD  
GROUP BY E.COMPFEC, A.DEPARTAMENTO, B.CCNOM
```

```
GO
```

```
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_NULLS ON
GO
```

```
CREATE VIEW dbo.Vista_Resumen_Reparaciones
AS
SELECT  A.NOSERIE, C.EQUCOD, C.DESCRIPCION, B.CATEGORIA AS Categoria,
COUNT(A.CODCATEGORIA) AS Cuenta2
FROM    dbo.REPARACIONES A INNER JOIN
        dbo.CATEGORIAS B ON A.CODCATEGORIA = B.CODCATEGORIA
INNER JOIN
        dbo.HARDWARE C ON A.NOSERIE = C.NOSERIE
GROUP BY A.NOSERIE, C.EQUCOD, C.DESCRIPCION, B.CATEGORIA
```

```
GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_NULLS ON
GO
```

```
CREATE VIEW dbo.Vista_Software_X_Usuario
AS
SELECT  B.DEPARTAMENTO, C.JOBDESC, D.NOMSOFT
FROM    dbo.SOFTWARE_X_USUARIO A INNER JOIN
        dbo.PUESTOS C ON A.CODIGO = C.JOBCOD INNER JOIN
        dbo.SOFTWARE D ON A.CODSOFT = D.CODSOFT INNER JOIN
        dbo.DEPARTAMENTOS B ON C.JOBDEPTO = B.CODDEPTO
```

```
GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
SET ANSI_NULLS ON
GO
```

```
CREATE VIEW dbo.Vista_Ubicaciones
AS
SELECT  A.CODUBICA, A.NOMUBICA, B.CODAREA, B.NOMAREA
FROM    dbo.UBICACIONES A INNER JOIN
        dbo.UBICACION_AREA B ON A.CODUBICA = B.CODUBICA

GO
```

Procedimientos

```
CREATE PROCEDURE prPrimerRegistro AS
    select count(*)
    from WARRANTYS
GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS OFF
GO
```

```
CREATE PROCEDURE prRetornaFila AS
    Select cccod
    from cctab
```

```
GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS OFF
GO
```

```
CREATE PROCEDURE sp_actividad
```

```

@accion                int,
@cod_act               nvarchar(7),
@descripcion_act      varchar(50) = "",
@cod_proy              nvarchar(7) = "",
@observaciones        varchar(250) = "",
@fecha_inicio         smalldatetime = "",
@fecha_limite         smalldatetime = "",
@nivel_avance         int = 0,
@responsable          nvarchar(10) = ""
AS
IF @accion = 1 /* Insertar un nuevo registro */
BEGIN
    IF NOT EXISTS(SELECT cod_act FROM ACTIVIDADES WHERE
cod_act = @cod_act)
        BEGIN
            INSERT INTO ACTIVIDADES VALUES(@cod_act,
@descripcion_act, @cod_proy, @observaciones, @fecha_inicio, @fecha_limite,
@nivel_avance, @responsable)
            RETURN 1
        END
    END
END

IF @accion = 2 /* Modificar el registro actual */
BEGIN
    IF EXISTS(SELECT cod_act FROM ACTIVIDADES WHERE cod_act =
@cod_act)
        BEGIN
            UPDATE ACTIVIDADES SET
                descripcion_act = @descripcion_act,
                cod_proy = @cod_proy,
                observaciones = @observaciones,
                fecha_inicio = @fecha_inicio,
                fecha_limite = @fecha_limite,
                nivel_avance = @nivel_avance,
                responsable = @responsable
            WHERE cod_act = @cod_act

            RETURN 1
        END
    END
END

IF @accion = 3 /* Eliminar un registro existente */
BEGIN
    IF EXISTS(SELECT cod_act FROM ACTIVIDADES WHERE cod_act =
@cod_act)
        BEGIN
            DELETE FROM ACTIVIDADES WHERE cod_act = @cod_act

```

```

        END

        RETURN 1
    END

    RETURN 0

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS OFF
GO

CREATE PROCEDURE sp_actividad_hardware
    @accion          int,
    @cod_act         nvarchar(7),
    @cod_hw          nvarchar(10),
    @cantidad        int = 0
AS
    IF @accion = 1 /* Insertar un nuevo registro */
    BEGIN
        IF NOT EXISTS(SELECT cod_act FROM ACTIVIDADES_HW WHERE
cod_act = @cod_act AND cod_hw = @cod_hw)
        BEGIN
            INSERT INTO ACTIVIDADES_HW VALUES(@cod_act,
@cod_hw, @cantidad)
            RETURN 1
        END
    END

    IF @accion = 2 /* Modificar un registro existente */
    BEGIN
        IF EXISTS(SELECT cod_act FROM ACTIVIDADES_HW WHERE
cod_act = @cod_act AND cod_hw = @cod_hw)
        BEGIN
            UPDATE ACTIVIDADES_HW SET cantidad_hw = @cantidad
WHERE cod_act = @cod_act AND cod_hw = @cod_hw
        END
    END

    RETURN 1
END

```

```

        IF @accion = 3 /* Eliminar un registro existente */
        BEGIN
            IF EXISTS(SELECT cod_act FROM ACTIVIDADES_HW WHERE
cod_act = @cod_act AND cod_hw = @cod_hw)
                BEGIN
                    DELETE FROM ACTIVIDADES_HW WHERE cod_act =
@cod_act AND cod_hw = @cod_hw
                END

            RETURN 1
        END

        RETURN 0

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS OFF
GO

CREATE PROCEDURE sp_actividad_personal
    @accion          int,
    @cod_act         nvarchar(7),
    @cod_emp         nvarchar(10)
AS
    IF @accion = 1 /* Insertar un nuevo registro */
    BEGIN
        IF NOT EXISTS(SELECT cod_act FROM ACTIVIDADES_PERSONAL
WHERE cod_act = @cod_act AND cod_emp = @cod_emp)
            BEGIN
                INSERT INTO ACTIVIDADES_PERSONAL VALUES(@cod_act,
@cod_emp)
            END
        RETURN 1
    END

    IF @accion = 3 /* Eliminar un registro existente */
    BEGIN
        IF EXISTS(SELECT cod_act FROM ACTIVIDADES_PERSONAL
WHERE cod_act = @cod_act AND cod_emp = @cod_emp)

```

```

        BEGIN
            DELETE FROM ACTIVIDADES_PERSONAL WHERE cod_act =
@cod_act AND cod_emp = @cod_emp
        END

        RETURN 1
    END

    RETURN 0

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS OFF
GO

CREATE PROCEDURE sp_actividad_software
    @accion          int,
    @cod_act         nvarchar(7),
    @cod_sw          nvarchar(10),
    @cantidad        int = 0
AS
    IF @accion = 1 /* Insertar un nuevo registro */
    BEGIN
        IF NOT EXISTS(SELECT cod_act FROM ACTIVIDADES_SW WHERE
cod_act = @cod_act AND cod_sw = @cod_sw)
            BEGIN
                INSERT INTO ACTIVIDADES_SW VALUES(@cod_act,
@cod_sw, @cantidad)
                RETURN 1
            END
        END
    END

    IF @accion = 2 /* Modificar un registro existente */
    BEGIN
        IF EXISTS(SELECT cod_act FROM ACTIVIDADES_SW WHERE
cod_act = @cod_act AND cod_sw = @cod_sw)
            BEGIN
                UPDATE ACTIVIDADES_SW SET cantidad_sw = @cantidad
WHERE cod_act = @cod_act AND cod_sw = @cod_sw
            END
        END
    END

```

```

        RETURN 1
    END

    IF @accion = 3 /* Eliminar un registro existente */
    BEGIN
        IF EXISTS(SELECT cod_act FROM ACTIVIDADES_SW WHERE
cod_act = @cod_act AND cod_sw = @cod_sw)
            BEGIN
                DELETE FROM ACTIVIDADES_SW WHERE cod_act =
@cod_act AND cod_sw = @cod_sw
            END
        RETURN 1
    END

    RETURN 0

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS OFF
GO

CREATE PROCEDURE sp_actualizar_progreso
    @cod_act nvarchar(7),
    @nuevo_progreso int
AS
    DECLARE @n int
    DECLARE @m int

    IF @nuevo_progreso < 0
    BEGIN
        SET @nuevo_progreso = 0
    END

    IF @nuevo_progreso > 100
    BEGIN
        SET @nuevo_progreso = 100
    END
END

```

```

        IF EXISTS(SELECT cod_act FROM ACTIVIDADES WHERE cod_act =
@cod_act)
        BEGIN
            UPDATE ACTIVIDADES SET nivel_avance = @nuevo_progreso WHERE
cod_act = @cod_act

            /* Actualizar nivel_avance de proyecto */
            SELECT @n = COUNT(*) FROM ACTIVIDADES WHERE cod_proy
IN(SELECT cod_proy FROM ACTIVIDADES WHERE cod_act = @cod_act)
            SELECT @m = SUM(nivel_avance) / @n FROM ACTIVIDADES WHERE
cod_proy IN(SELECT cod_proy FROM ACTIVIDADES WHERE cod_act = @cod_act)

            UPDATE PROYECTOS SET nivel_avance = @m WHERE cod_proy
IN(SELECT cod_proy FROM ACTIVIDADES WHERE cod_act = @cod_act)
        END

```

```

GO
SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER OFF
GO
SET ANSI_NULLS ON
GO

```

```

CREATE PROCEDURE sp_proy
    @accion          int,
    @cod_proy        nvarchar(7),
    @nombre_proy     varchar(50) = "",
    @descripcion_proy varchar(250) = "",
    @responsable     nvarchar(10) = "",
    @depto_beneficiado nvarchar(7) = "",
    @fecha_inicio    smalldatetime = "",
    @fecha_limite    smalldatetime = "",
    @estado_proy     bit = 1,
    @nivel_avance    int = 0

```

```

AS
    IF @accion = 1 /* Insertar un nuevo registro */
    BEGIN
        IF NOT EXISTS(SELECT cod_proy FROM PROYECTOS WHERE
cod_proy = @cod_proy)
        BEGIN

```

```

        INSERT INTO PROYECTOS VALUES(@cod_proy,
@nombre_proy, @descripcion_proy, @responsable, @depto_beneficiado, @fecha_inicio,
@fecha_limite, @estado_proy, @nivel_avance)
        RETURN 1
    END
END

IF @accion = 2 /* Modificar el registro actual */
BEGIN
    IF EXISTS(SELECT cod_proy FROM PROYECTOS WHERE cod_proy =
@cod_proy)
    BEGIN
        UPDATE PROYECTOS SET
            nombre_proy = @nombre_proy,
            descripcion_proy = @descripcion_proy,
            responsable = @responsable,
            depto_beneficiado = @depto_beneficiado,
            fecha_inicio = @fecha_inicio,
            fecha_limite = @fecha_limite,
            estado_proy = @estado_proy,
            nivel_avance = @nivel_avance
        WHERE cod_proy = @cod_proy

        RETURN 1
    END
END

IF @accion = 3 /* Eliminar un registro existente */
BEGIN
    IF EXISTS(SELECT cod_proy FROM PROYECTOS WHERE cod_proy =
@cod_proy)
    BEGIN
        DELETE FROM PROYECTOS WHERE cod_proy = @cod_proy
    END

    RETURN 1
END

RETURN 0

GO

```

Permisos a Tablas por Funcion

Funcion de GERENCIA

TABLAS	SELECT	INSERT	UPDATE	DELETE
Actividades	√	√	√	√
Actividades_HW	√	√	√	√
Actividades_personal	√	√	√	√
Actividades_SW	√	√	√	√
CATEGORIAS	√	√	√	√
CENTROS_DE_COSTOS	√	√	√	√
CODIGOS	√	√	√	√
COMPRA_DET	√	√	√	√
COMPRA_HEADER	√	√	√	√
CONTACTOS	√	√	√	√
COTIZA_DET	√	√	√	√
COTIZA_HEADER	√	√	√	√
DEPARTAMENTOS	√	√	√	√
DEVOLUCION_DET	√	√	√	√
DEVOLUCION_HEADER	√	√	√	√
EQUIPO_X_UBICACION	√	√	√	√
EQUIPOS	√	√	√	√
FABRICANTES	√	√	√	√
GASTOSPER_DET	√	√	√	√
GASTOSPER_HEADER	√	√	√	√
HARDWARE	√	√	√	√
PAISES	√	√	√	√
PARAMETROS_SISTEMA	√	√	√	√
PRESUPUESTOS	√	√	√	√
PROVEEDORES	√	√	√	√
Proyectos	√	√	√	√
PUESTOS	√	√	√	√
REPARACIONES	√	√	√	√
REQUIINT_DET	√	√	√	√
REQUIINT_HEADER	√	√	√	√
SOFTWARE	√	√	√	√
SOFTWARE_X_USUARIO	√	√	√	√
TIPOS_GASTOS	√	√	√	√
TRASLADO_DET	√	√	√	√
TRASLADO_HEADER	√	√	√	√
UBICACION_AREA	√	√	√	√
UBICACIONES	√	√	√	√
USUARIOS	√	√	√	√

Funcion de SUPERVISORES

TABLAS	SELECT	INSERT	UPDATE	DELETE
Actividades				
Actividades_HW				
Actividades_personal				
Actividades_SW				
CATEGORIAS	√			
CENTROS_DE_COSTOS	√			
CODIGOS	√			
COMPRA_DET	√	√	√	√
COMPRA_HEADER	√	√	√	√
CONTACTOS	√	√	√	√
COTIZA_DET	√	√	√	√
COTIZA_HEADER	√	√	√	√
DEPARTAMENTOS	√	√	√	√
DEVOLUCION_DET	√	√	√	√
DEVOLUCION_HEADER	√	√	√	√
EQUIPO_X_UBICACION	√	√	√	√
EQUIPOS	√	√	√	√
FABRICANTES	√	√	√	√
GASTOSPER_DET	√	√	√	√
GASTOSPER_HEADER	√	√	√	√
HARDWARE	√	√	√	√
PAISES	√	√	√	√
PARAMETROS_SISTEMA	√			
PRESUPUESTOS	√	√	√	√
PROVEEDORES	√	√	√	√
Proyectos	√	√	√	√
PUESTOS	√			
REPARACIONES	√	√	√	√
REQUIINT_DET	√	√	√	√
REQUIINT_HEADER	√	√	√	√
SOFTWARE	√			
SOFTWARE_X_USUARIO	√	√	√	√
TIPOS_GASTOS	√			
TRASLADO_DET	√	√	√	√
TRASLADO_HEADER	√	√	√	√
UBICACION_AREA	√	√	√	√
UBICACIONES	√	√	√	√
USUARIOS	√			

Funcion de PROVEEDURIA

TABLAS	SELECT	INSERT	UPDATE	DELETE
Actividades				
Actividades_HW				
Actividades_personal				
Actividades_SW				
CATEGORIAS	√			
CENTROS_DE_COSTOS	√			
CODIGOS	√			
COMPRA_DET	√	√	√	√
COMPRA_HEADER	√	√	√	√
CONTACTOS	√			
COTIZA_DET	√	√	√	√
COTIZA_HEADER	√	√	√	√
DEPARTAMENTOS	√			
DEVOLUCION_DET	√	√	√	√
DEVOLUCION_HEADER	√	√	√	√
EQUIPO_X_UBICACION	√			
EQUIPOS	√	√	√	√
FABRICANTES	√	√	√	√
GASTOSPER_DET	√	√	√	√
GASTOSPER_HEADER	√	√	√	√
HARDWARE	√	√	√	√
PAISES	√			
PARAMETROS_SISTEMA	√			
PRESUPUESTOS	√		√	
PROVEEDORES	√	√	√	√
Proyectos				
PUESTOS	√			
REPARACIONES	√			
REQUIINT_DET	√	√	√	√
REQUIINT_HEADER	√	√	√	√
SOFTWARE	√			
SOFTWARE_X_USUARIO	√			
TIPOS_GASTOS	√			
TRASLADO_DET	√	√	√	√
TRASLADO_HEADER	√	√	√	√
UBICACION_AREA	√			
UBICACIONES	√			
USUARIOS	√			

Funcion de MANTENIMIENTO

TABLAS	SELECT	INSERT	UPDATE	DELETE
Actividades				
Actividades_HW				
Actividades_personal				
Actividades_SW				
CATEGORIAS	√			
CENTROS_DE_COSTOS	√			
CODIGOS	√			
COMPRA_DET				
COMPRA_HEADER				
CONTACTOS				
COTIZA_DET				
COTIZA_HEADER				
DEPARTAMENTOS	√			
DEVOLUCION_DET				
DEVOLUCION_HEADER				
EQUIPO_X_UBICACION	√			
EQUIPOS	√			
FABRICANTES	√			
GASTOSPER_DET	√	√	√	√
GASTOSPER_HEADER	√	√	√	√
HARDWARE	√			
PAISES				
PARAMETROS_SISTEMA				
PRESUPUESTOS				
PROVEEDORES				
Proyectos				
PUESTOS				
REPARACIONES	√			
REQUIINT_DET				
REQUIINT_HEADER				
SOFTWARE	√			
SOFTWARE_X_USUARIO	√	√	√	√
TIPOS_GASTOS	√			
TRASLADO_DET	√	√	√	√
TRASLADO_HEADER	√	√	√	√
UBICACION_AREA	√			
UBICACIONES	√			
USUARIOS	√			

Funcion de USUARIOS

TABLAS	SELECT	INSERT	UPDATE	DELETE
Actividades				
Actividades_HW				
Actividades_personal				
Actividades_SW				
CATEGORIAS				
CENTROS_DE_COSTOS				
CODIGOS				
COMPRA_DET				
COMPRA_HEADER				
CONTACTOS				
COTIZA_DET				
COTIZA_HEADER				
DEPARTAMENTOS	√			
DEVOLUCION_DET				
DEVOLUCION_HEADER				
EQUIPO_X_UBICACION				
EQUIPOS	√			
FABRICANTES				
GASTOSPER_DET				
GASTOSPER_HEADER				
HARDWARE	√			
PAISES				
PARAMETROS_SISTEMA				
PRESUPUESTOS				
PROVEEDORES				
Proyectos				
PUESTOS	√			
REPARACIONES				
REQUIINT_DET	√	√	√	√
REQUIINT_HEADER	√	√	√	√
SOFTWARE	√			
SOFTWARE_X_USUARIO				
TIPOS_GASTOS				
TRASLADO_DET				
TRASLADO_HEADER				
UBICACION_AREA	√			
UBICACIONES	√			
USUARIOS				

ACCESOS A MENU POR ROL

Opciones de menú	GERENCIA	PROVEEDURIA	USUARIOS	MANTENIMIENTO	SUPERVISORES
1. Archivo	X	X	X	X	X
1.1 Parámetro de la empresa	X				
1.2 Presupuestos	X				
1.3 Cambio de usuario	X	X	X	X	X
1.4 Salir	X	X	X	X	X
2. Proveeduría y control	X	X	X	X	X
2.1 Modulo de compras	X	X	X		X
2.1.1 Requisiciones a TI	X	X	X		X
2.1.2 Requisiciones a proveedores	X	X			X
2.1.3 Devoluciones a proveedor	X	X			X
2.1.4 Recepciones de compras	X	X			X
2.2 Modulo de gastos	X	X		X	X
2.2.1 Control de gastos personal de TI	X	X		X	X
2.3 Mantenimientos	X	X			X
2.3.1 Puestos	X	X			
2.3.2 Departamentos	X	X			
2.3.3 Ingreso de artículos	X	X			X
2.3.4 Fabricantes	X	X			X
2.3.5 Equipos	X	X			X
2.3.6 Proveedores	X	X			X
2.3.7 Ubicaciones	X	X			
2.3.8 Garantías	X	X			
2.3.9 Centros de costos	X	X			
3. Soporte Tecnico	X			X	X
3.1 Traslados de equipos	X			X	X
3.3 Reparaciones	X			X	X
4. Inventario	X	X		X	X
4.1 Equipos x ubicación	X	X		X	X
4.2 Software x usuario	X	X		X	X
5. Proyectos	X				
5.1 Creación de proyectos	X				X
5.2 Gantt proyectos	X				X
					X
6. Gerencia	X				
6.1 Mantenimientos	X				
6.1.1 Software	X				
6.2 Reportes	X				
6.2.1 Resumen gastos x centro de costo	X				
6.2.2 Detalle gastos x centro de costo	X				

CODIGO FUENTE DEL SISTEMA

Formulario de Parametros del Sistema

The screenshot displays a software interface for system parameters. At the top, there is a menu bar with icons and labels: 'Nuevo', 'Guardar', 'Eliminar', 'Editar', 'Buscar', 'Imprimir', and 'Salir'. Below this is a window titled 'Info. General de la Empresa'. The window contains several input fields and buttons:

- Nombre de la Empresa:** A text input field.
- NIT de la Empresa:** A text input field with a mask of three dashes.
- Teléfono 1:** A text input field with a mask of a dash.
- Teléfono 2:** A text input field with a mask of a dash.
- Dirección:** A large text area for the address.
- URL de la Empresa:** A text input field.
- e-mail de la Empresa:** A text input field.
- Logo de la Empresa:** A button with a magnifying glass icon next to a square placeholder.
- Logo del Departamento:** A button with a magnifying glass icon next to a square placeholder.

Codigo Fuente

```
Const SGI_IniciarBarra = 100  
Const SGI_GuardarBarra = 101  
Const SGI_BuscarBarra = 102
```

```
Dim cn As New ADODB.Connection  
Dim LogoEmpresa As String  
Dim LogoDepto As String
```

```
Private Sub cmd_buscarlogodept_Click()
```

```
    Me.CommonDialog1.ShowOpen  
    Me.img_departamento.Picture = LoadPicture(Me.CommonDialog1.FileName)  
    Me.txt_imgdepto = Me.CommonDialog1.FileName  
    LogoDepto = Me.txt_imgdepto
```

```
End Sub
```

```
Private Sub cmd_buscarlogoemp_Click()
```

```
    Me.CommonDialog1.ShowOpen  
    Me.img_empresa.Picture = LoadPicture(Me.CommonDialog1.FileName)  
    Me.txt_imgempresa = Me.CommonDialog1.FileName
```

```
LogoEmpresa = Me.txtx_imgempresa
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
    ActBarra SGI_IniciarBarra
```

```
    Limpiar
```

```
    Habilitar False
```

```
    'Me.cmd_buscarlogodept.Enabled = False
```

```
    Me.cmd_buscarlogoemp.Enabled = False
```

```
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
```

```
    Dim rs As New ADODB.Recordset
```

```
    Select Case Button.Key
```

```
        Case "cmd_nuevo"
```

```
            Limpiar
```

```
            Habilitar True
```

```
            ActBarra SGI_GuardarBarra
```

```
        Case "cmd_guardar"
```

```
            If Validar = True Then
```

```
                If Button.Caption = "&Guardar" Then
```

```
                    Insertar
```

```
                Else
```

```
                    Actualizar
```

```
                    Button.Caption = "Guardar"
```

```
                End If
```

```
            Habilitar False
```

```
            ActBarra SGI_BuscarBarra
```

```
            End If
```

```
        Case "cmd_editar"
```

```
            Me.Toolbar1.Buttons("cmd_guardar").Caption = "Actualizar"
```

```
            Habilitar True
```

```
            ActBarra SGI_GuardarBarra
```

```
        Case "cmd_eliminar"
```

```
            If MsgBox("¿Está seguro que desea eliminar el registro?", _  
                vbYesNo + vbQuestion, "Confirmación de operación") = vbYes Then
```

```
                Eliminar
```

```
                Limpiar
```

```
                Habilitar False
```

```
                ActBarra SGI_IniciarBarra
```

```
            End If
```

```
        Case "cmd_buscar"
```

```
            Conectar cn
```

```
            Set rs = cn.Execute("select * from PARAMETROS_SISTEMA")
```

```
            Me.txt_nomempresa = rs!nombre_emp
```

```

    Me.txt_direccionempresa = rs!direccion_emp
    Me.txt_nitempresa = rs!nit_emp
    Me.txt_tel1empresa = rs!tel1_emp
    Me.txt_tel2empresa = rs!tel2_emp
    Me.txt_emailempresa = rs!email_emp
    Me.txt_urlempresa = rs!url_emp
    Me.img_departamento.Picture = LoadPicture(rs!logo2)
    Me.img_empresa.Picture = LoadPicture(rs!logo1)
    cn.Close
    Case "cmd_imprimir"
        Imprimir
    Case "cmd_salir"
        Unload Me
    End Select
End Sub

```

```

Private Sub Habilitar(bnd As Boolean)

```

```

    Dim ctrl As Control

```

```

    For Each ctrl In Me.Controls

```

```

        If TypeOf ctrl Is TextBox Then ctrl.Enabled = bnd

```

```

        If TypeOf ctrl Is ComboBox Then ctrl.Enabled = bnd

```

```

    Next

```

```

    If bnd = True Then

```

```

        Me.txt_nomempresa.Enabled = True

```

```

        Me.txt_nitempresa.Enabled = True

```

```

        Me.txt_tel1empresa.Enabled = True

```

```

        Me.txt_tel2empresa.Enabled = True

```

```

        Me.txt_direccionempresa.Enabled = True

```

```

        Me.txt_urlempresa.Enabled = True

```

```

        Me.txt_emailempresa.Enabled = True

```

```

        Me.cmd_buscarlogodept.Enabled = True

```

```

        Me.cmd_buscarlogoemp.Enabled = True

```

```

    End If

```

```

End Sub

```

```

Private Sub Limpiar()

```

```

    Dim ctrl As Control

```

```

    For Each ctrl In Me.Controls

```

```

        If TypeOf ctrl Is TextBox Then ctrl.Text = ""

```

```

    Next

```

```

End Sub

```

```

Private Function Validar() As Boolean

```

```

    'Escriba el código de validación de campos

```

```

If Me.txt_nomempresa.Text = "" Then
    MsgBox "Debe escribir el nombre de la empresa", _
        vbOKOnly + vbCritical, "Error"
    Me.txt_nomempresa.SetFocus
    Validar = False
    Exit Function
End If
If Me.txt_nitempresa.Text = "" Then
    MsgBox "Debe escribir el NIT de la empresa", _
        vbOKOnly + vbCritical, "Error"
    Me.txt_nitempresa.SetFocus
    Validar = False
    Exit Function
End If
If Me.txt_direccionempresa.Text = "" Then
    MsgBox "Debe escribir la dirección de la empresa de la empresa", _
        vbOKOnly + vbCritical, "Error"
    Me.txt_direccionempresa.SetFocus
    Validar = False
    Exit Function
End If
If Me.txt_tel1empresa.Text = "" Then
    MsgBox "Debe escribir el primer teléfono de la empresa", _
        vbOKOnly + vbCritical, "Error"
    Me.txt_tel1empresa.SetFocus
    Validar = False
    Exit Function
End If
If Me.img_empresa = "" Then
    MsgBox "Debe colocar el logo de la empresa", _
        vbOKOnly + vbCritical, "Error"
    Validar = False
    Exit Function
End If

Validar = True
End Function

Private Sub Insertar()
    Dim sql As String
    Dim error As ADODB.error

    'Escriba sentencia SQL INSERT
    sql = "INSERT INTO PARAMETROS_SISTEMA VALUES('" &
        Trim(Me.txt_nomempresa.Text) & "', '" &

```

```

        & Trim(Me.txt_nitempresa.Text) & "," & Trim(Me.txt_tel1empresa.Text) & ","
    -
        & Trim(Me.txt_tel2empresa.Text) & "," & Trim(LogoEmpresa) & ", " _
        & Trim(LogoDepto) & ", " & Trim(Me.txt_direccionempresa.Text) & ", " _
        & Trim(Me.txt_urlempresa.Text) & ", " & Trim(Me.txt_emailempresa.Text) &
    """)

```

```

'If Conectar(cn) = adStateOpen Then
Conectar cn
    On Error GoTo Insert_Error
    cn.Execute sql
    cn.Close
'End If

```

```
Exit Sub
```

```
Insert_Error:
```

```

    For Each error In cn.Errors
        MsgBox "Error " & Str(err.Number) & ": " & err.Description, _
            vbOKOnly + vbCritical, "SGI"
    Next
End Sub

```

```
Private Sub Actualizar()
```

```

    Dim sql As String
    Dim error As ADODB.error

```

```

'Escriba sentencia SQL UPDATE
respuesta = MsgBox("¿Esta seguro que desea actualizar los parametros de la empresa "
& Me.txt_nomempresa & "?", vbYesNo + vbCritical)
If respuesta = vbYes Then

```

```

    sql = "Update PARAMETROS_SISTEMA Set NOMBREEMP =" &
Trim(Me.txt_nomempresa) & ",NIT_EMP =" &
        & Trim(Me.txt_nitempresa) & ", TEL1_EMP =" & Trim(Me.txt_tel1empresa)
& ", TEL2_EMP =" &
        & Trim(Me.txt_tel2empresa) & ", LOGO1 =" & Trim(Me.img_empresa) & ",
LOGO2 =" &
        & Trim(Me.img_departamento) & ", DIRECCION_EMP =" &
Trim(Me.txt_direccionempresa) & ", URL_EMP =" &
        & Trim(Me.txt_urlempresa) & ", EMAIL_EMP =" &
Trim(Me.txt_emailempresa) & " Where NOMBREEMP =" & Trim(Me.txt_nomempresa)
& """"

```

```

    MsgBox "Parametros de la empresa " & Me.txt_nomempresa & " actualizados
exitosamente.", vbOKOnly + vbInformation
End If

```

```

If Conectar(cn) = adStateOpen Then
    On Error GoTo Update_Error
    cn.Execute sql
    cn.Close
End If

Exit Sub

Update_Error:
For Each error In cn.Errors
    MsgBox "Error " & Str(err.Number) & ": " & err.Description, _
        vbOKOnly + vbCritical, "SGI"
Next
End Sub

Private Sub Eliminar()
    Dim sql As String
    Dim error As ADODB.error

    'Escriba sentencia SQL DELETE
    respuesta = MsgBox("¿Esta seguro que desea eliminar los parametros de la empresa " &
Me.txt_nomempresa & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then

        sql = "Delete From PARAMETROS_SISTEMA Where NOMBREEMP =" &
Trim(Me.txt_nomempresa) & """"
        MsgBox " Parametros de la empresa " & Me.txt_nomempresa & " eliminados
 exitosamente.", vbOKOnly

    End If

    If Conectar(cn) = adStateOpen Then
        On Error GoTo Delete_Error
        cn.Execute sql
        cn.Close
    End If

    Exit Sub

Delete_Error:
For Each error In cn.Errors
    MsgBox "Error " & Str(err.Number) & ": " & err.Description, _
        vbOKOnly + vbCritical, "SGI"
Next
End Sub

```

```

Private Sub Buscar()
    Dim sql, busq As String
    Dim rs As New ADODB.Recordset

    busq = InputBox("Registro a buscar por fecha:", "Búsqueda")

    If busq <> "" Then
        'Escriba sentencia SQL SELECT

        sql = "Select * From PARAMETROS_SISTEMA Where NOMBREEMP Like '%" &
busq & "%'"

        If Conectar(cn) = adStateOpen Then
            rs.Open sql, cn, adOpenForwardOnly, adLockReadOnly
            If rs.State = adStateOpen Then
                If rs.EOF = True Then
                    MsgBox "No existen registros que concuerden con el dato buscado", _
vbOKOnly + vbInformation, "Búsqueda"
                Else
                    ImpPant rs
                    Me.txt_nomempresa = rs!NOMBREEMP
                    Me.txt_nitempresa = rs!NITEMP
                    Me.txt_tel1empresa = rs!TEL1EMP
                    Me.txt_tel2empresa = rs!TEL2EMP
                    Me.img_empresa = rs!LOGO1EMP
                    Me.img_departamento = rs!LOGO2EMP
                    Me.txt_direccionempresa = rs!DIREMP
                    Me.txt_urlempresa = rs!URLEMP
                    Me.txt_emailempresa = rs!URLEMP
                End If
            End If
            rs.Close
            cn.Close
        End If
    End If
End Sub

Private Sub Imprimir()

End Sub

Private Sub ImpPant(rs As Recordset)
    'Escriba el código de impresión de datos en pantalla

End Sub

```

```

Private Sub ActBarra(asp As Integer)
    Dim cmd As Button

    For Each cmd In Me.Toolbar1.Buttons
        cmd.Enabled = False
    Next

    Select Case asp
        Case SGI_IniciarBarra
            With Me.Toolbar1
                .Buttons("cmd_nuevo").Enabled = True
                .Buttons("cmd_buscar").Enabled = True
                .Buttons("cmd_salir").Enabled = True
            End With
        Case SGI_GuardarBarra
            With Me.Toolbar1
                .Buttons("cmd_guardar").Enabled = True
                .Buttons("cmd_salir").Enabled = True
            End With
        Case SGI_BuscarBarra
            With Me.Toolbar1
                .Buttons("cmd_nuevo").Enabled = True
                .Buttons("cmd_editar").Enabled = True
                .Buttons("cmd_eliminar").Enabled = True
                .Buttons("cmd_buscar").Enabled = True
                .Buttons("cmd_imprimir").Enabled = True
                .Buttons("cmd_salir").Enabled = True
            End With
    End Select
End Sub

```

Formulario de Presupuestos



Codigo Fuente

```
Dim cn As New ADODB.Connection
Dim CodCC, CodResp As String
Dim botonguardar As Boolean
```

```
Private Sub cmd_centrodecosto_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select a.cccod,b.nombre,a.ccrep from centros_de_costos a,usuarios b  
where ccnom='" & Trim(Me.cmd_centrodecosto) & "' and a.ccrep=b.username")
```

```
CodCC = rs!cccod
```

```
Me.txt_responsable = rs!nombre
```

```
CodResp = rs!ccrep
```

```
cn.Close
```

```
End Sub
```

```
Private Sub Form_KeyDown(KeyCode As Integer, Shift As Integer)
```

```
If KeyCode = &H70 Then MsgBox "You pressed the F1 key."
```

End Sub

Private Sub Form_Load()

Me.SSTab1.tab = 0

End Sub

Private Sub tab_matrizdep_DblClick()

Dim rs As ADODB.Recordset

Conectar cn

Me.tab_matrizdep.Row = Me.tab_matrizdep.RowSel

Me.tab_matrizdep.Col = 1

Set rs = cn.Execute("Select a.presupuesto,a.saldo,c.ccnom,b.nombre From
PRESUPUESTOS A,USUARIOS B,CENTROS_DE_COSTOS C WHERE
A.CCCOD=C.CCCOD AND B.USERNAME=C.CCRESP AND C.CCNOM="" &
Me.tab_matrizdep & """)

Me.txt_presupuesto = rs!presupuesto

Me.txt_responsable = rs!nombre

Me.txt_saldo = rs!saldo

Me.cmd_centrodecosto.Text = rs!ccnom

Me.SSTab1.tab = 0

cn.Close

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key

Case "cmd_nuevo":

Conectar cn

Set rs = cn.Execute("Select ccnom from centros_de_costos")

Me.cmd_centrodecosto.Clear

Do While rs.EOF = False

Me.cmd_centrodecosto.AddItem rs!ccnom

rs.MoveNext

Loop

cn.Close

botonguardar = True

```

Case "cmd_guardar":
  If botonguardar = True Then
    Conectar cn
    Set rs = cn.Execute("Insert Into PRESUPUESTOS Values("'" & Trim(CodCC) & "','"
& Trim(Me.txt_presupuesto) & "','" & Trim(Me.txt_saldo) & "')")
    MsgBox "Se ingreso el registro exitosamente", vbInformation + vbOKOnly

    Me.tab_matrizdep.Clear
    Me.tab_matrizdep.Rows = 2
    Me.tab_matrizdep.Cols = 4
    Me.tab_matrizdep.FixedRows = 1
    Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.03

    Me.tab_matrizdep.Col = 1
    Me.tab_matrizdep.Row = 0
    Me.tab_matrizdep.Text = "CC"
    Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.4

    Me.tab_matrizdep.Col = 2
    Me.tab_matrizdep.Row = 0
    Me.tab_matrizdep.Text = "Presupuesto"
    Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.2

    Me.tab_matrizdep.Col = 3
    Me.tab_matrizdep.Row = 0
    Me.tab_matrizdep.Text = "Saldo"
    Me.tab_matrizdep.ColWidth(3) = Me.tab_matrizdep.Width * 0.2

    Set rs = cn.Execute("Select b.ccnom,a.presupuesto,a.saldo From PRESUPUESTOS
a, CENTROS_DE_COSTOS b Where a.cccod=b.cccod")

    Do While rs.EOF = False
      Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1
      Me.tab_matrizdep.Col = 1
      Me.tab_matrizdep.Text = rs!ccnom
      Me.tab_matrizdep.Col = 2
      Me.tab_matrizdep.Text = rs!presupuesto
      Me.tab_matrizdep.Col = 3
      Me.tab_matrizdep.Text = rs!saldo
      Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1
      rs.MoveNext
    Loop
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
    cn.Close
  ElseIf botonguardar = False Then
    Conectar cn

```

```

Set rs = cn.Execute("Select a.cccod,b.nombre,a.ccrep from centros_de_costos
a,usuarios b where ccnom=" & Trim(Me.cmd_centrodecosto) & " and
a.ccrep=b.username")
CodCC = rs!cccod

Set rs = cn.Execute("select sum(cantid*costo) as GASTO_actual from compra_det
where cccod=" & Trim(CodCC) & """)
GASTO_actual = rs!GASTO_actual

saldo_actual = Val(Me.txt_presupuesto) - GASTO_actual

Set rs = cn.Execute("Update PRESUPUESTOS set presupuesto=" &
Me.txt_presupuesto & ",saldo=" & saldo_actual & " where cccod=" & Trim(CodCC) &
"")
MsgBox "Se actualizo el registro exitosamente", vbInformation + vbOKOnly

Me.tab_matrizdep.Clear
Me.tab_matrizdep.Rows = 2
Me.tab_matrizdep.Cols = 4
Me.tab_matrizdep.FixedRows = 1
Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.03

Me.tab_matrizdep.Col = 1
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "CC"
Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.4

Me.tab_matrizdep.Col = 2
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "Presupuesto"
Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.2

Me.tab_matrizdep.Col = 3
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "Saldo"
Me.tab_matrizdep.ColWidth(3) = Me.tab_matrizdep.Width * 0.2

Set rs = cn.Execute("Select b.ccnom,a.presupuesto,a.saldo From PRESUPUESTOS
a, CENTROS_DE_COSTOS b Where a.cccod=b.cccod")

Do While rs.EOF = False
Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1
Me.tab_matrizdep.Col = 1
Me.tab_matrizdep.Text = rs!ccnom
Me.tab_matrizdep.Col = 2
Me.tab_matrizdep.Text = rs!presupuesto
Me.tab_matrizdep.Col = 3

```

```

        Me.tab_matrizdep.Text = rs!saldo
        Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1
        rs.MoveNext
    Loop
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
    cn.Close
End If
Case "cmd_editar":
    botonguardar = False
Case "cmd_eliminar":
    verifica = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +
vbYesNo)
    If verifica = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Select * from centros_de_costos where ccnom="" &
Trim(Me.cmd_centrodecosto) & """)
        CC = rs!cccod
        Set rs = cn.Execute("Delete from presupuestos where cccod="" & Trim(CC) & """)
        MsgBox "Registro eliminado satisfactoriamente", vbInformation + vbOKOnly
        Me.cmd_centrodecosto.Text = ""
        Me.txt_presupuesto = ""
        Me.txt_responsable = ""
        Me.txt_saldo = ""

        Me.tab_matrizdep.Clear
        Me.tab_matrizdep.Rows = 2
        Me.tab_matrizdep.Cols = 4
        Me.tab_matrizdep.FixedRows = 1
        Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.03

        Me.tab_matrizdep.Col = 1
        Me.tab_matrizdep.Row = 0
        Me.tab_matrizdep.Text = "CC"
        Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.4

        Me.tab_matrizdep.Col = 2
        Me.tab_matrizdep.Row = 0
        Me.tab_matrizdep.Text = "Presupuesto"
        Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.2

        Me.tab_matrizdep.Col = 3
        Me.tab_matrizdep.Row = 0
        Me.tab_matrizdep.Text = "Saldo"
        Me.tab_matrizdep.ColWidth(3) = Me.tab_matrizdep.Width * 0.2

    On Error GoTo vineta:

```

```
Set rs = cn.Execute("Select b.ccnom,a.presupuesto,a.saldo From PRESUPUESTOS  
a, CENTROS_DE_COSTOS b Where a.cccod=b.cccod")
```

```
Do While rs.EOF = False  
    Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1  
    Me.tab_matrizdep.Col = 1  
    Me.tab_matrizdep.Text = rs!ccnom  
    Me.tab_matrizdep.Col = 2  
    Me.tab_matrizdep.Text = rs!presupuesto  
    Me.tab_matrizdep.Col = 3  
    Me.tab_matrizdep.Text = rs!saldo  
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1  
    rs.MoveNext
```

```
Loop  
Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
```

vineta:

```
cn.Close  
End If  
Case "cmd_buscar":  
    Conectar cn  
    Buscar = InputBox("Codigo del centro de costo:")
```

```
Me.tab_matrizdep.Clear  
Me.tab_matrizdep.Rows = 2  
Me.tab_matrizdep.Cols = 4  
Me.tab_matrizdep.FixedRows = 1  
Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.03
```

```
Me.tab_matrizdep.Col = 1  
Me.tab_matrizdep.Row = 0  
Me.tab_matrizdep.Text = "CC"  
Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.4
```

```
Me.tab_matrizdep.Col = 2  
Me.tab_matrizdep.Row = 0  
Me.tab_matrizdep.Text = "Presupuesto"  
Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.2
```

```
Me.tab_matrizdep.Col = 3  
Me.tab_matrizdep.Row = 0  
Me.tab_matrizdep.Text = "Saldo"  
Me.tab_matrizdep.ColWidth(3) = Me.tab_matrizdep.Width * 0.2
```

```
Set rs = cn.Execute("Select b.ccnom,a.presupuesto,a.saldo From PRESUPUESTOS a,  
CENTROS_DE_COSTOS b Where a.cccod=b.cccod and a.cccod like '%" &  
Trim(Me.txt_presupuesto) & "%'")
```

```

Do While rs.EOF = False
    Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1
    Me.tab_matrizdep.Col = 1
    Me.tab_matrizdep.Text = rs!ccnom
    Me.tab_matrizdep.Col = 2
    Me.tab_matrizdep.Text = rs!presupuesto
    Me.tab_matrizdep.Col = 3
    Me.tab_matrizdep.Text = rs!saldo
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
cn.Close
Me.SSTab1.tab = 1
Case "cmd_salir":
    Unload Me
End Select

End Sub

Private Sub txt_presupuesto_Change()

Me.txt_saldo = Me.txt_presupuesto

End Sub

```

Formulario de Cotizaciones

The screenshot shows a Windows-style application window titled "Formulario de Cotizaciones". At the top is a menu bar with icons and labels: "Nuevo", "Guardar", "Copiar", "Eliminar", "Buscar", "Imprimir", and "Salir". The main content area is divided into two panes. The upper pane, titled "Info. de Cotización", contains several data entry fields: "Código de cotización:", "Fecha de cotización:", "Vigente desde:" (with a date selection icon), "Vigente hasta:" (with a date selection icon), "Tiempo de entrega:", and "Proveedor:". To the right of these are "Tipo de pago:", "Estado:", and "Total:" fields, and a "Comparar Cotizaciones" button. The lower pane, titled "Detalle Artículos", has a "Totales" tab and a toolbar with icons for adding, deleting, and refreshing. Below the toolbar are input fields for "Equipo", "Descripción", "Precio" (with a "Sin IVA" label), "Cantidad", and "Garantía".

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Dim CodProveedor, CodEquipo, CodGarantia As String
```

```
Dim BotonBuscar1 As Boolean
```

```
Dim BotonBuscar2 As Boolean
```

```
Private Sub cmb_equipo_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Me.txt_equipo = Me.cmb_equipo
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select * From EQUIPOS Where equdesc=" & Trim(Me.txt_equipo) & "'")
```

```
CodEquipo = rs!equcod
```

```
cn.Close
```

```
End Sub
```

```

Private Sub cmb_garantia_Click()

Dim rs As New ADODB.Recordset

Me.txt_garantia = Me.cmb_garantia

Conectar cn

Set rs = cn.Execute("Select * From CODIGOS Where idmodulo='GARA' and
descripcion="" & Trim(Me.txt_garantia) & """)
CodGarantia = rs!idcodigo

cn.Close

End Sub

Private Sub cmb_proveedor_Click()

Dim rs As New ADODB.Recordset

Me.txt_proveedor = Me.cmb_proveedor

Conectar cn

Set rs = cn.Execute("Select * From PROVEEDORES Where vdrnom="" &
Trim(Me.txt_proveedor) & """)
CodProveedor = rs!vdrcod

cn.Close

End Sub

Private Sub cmb_status_Click()

Me.txt_status = Me.cmb_status

End Sub

Private Sub cmb_tippago_Click()

Me.txt_tippago = Me.cmb_tippago

```

End Sub

Private Sub cmd_editar_Click()

BotonBuscar1 = True

End Sub

Private Sub cmd_eliminar_Click()

Dim rs As New ADODB.Recordset

respuesta = MsgBox("¿Esta seguro que desea eliminar el registro?", vbYesNo + vbCritical)

If respuesta = vbYes Then

 Conectar cn

 Set rs = cn.Execute("Delete From COTIZA_DET Where Cotizatum=" &
Trim(Me.txt_codcotiza) & "and equcod=" & Trim(Me.txt_equipo) & "'")

 Me.txt_cantidad.Enabled = False

 Me.txt_desc.Enabled = False

 Me.txt_price.Enabled = False

 Me.txt_equipo.Enabled = False

 Me.txt_garantia.Enabled = False

 Me.txt_cantidad = ""

 Me.txt_desc = ""

 Me.txt_price = ""

 Me.txt_equipo = ""

 Me.txt_garantia = ""

 cn.Close

 Me.MSFlexGrid1.Clear

 Me.MSFlexGrid1.Rows = 2

 Me.MSFlexGrid1.Cols = 5

 Me.MSFlexGrid1.FixedRows = 1

 Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

 Me.MSFlexGrid1.Col = 1

 Me.MSFlexGrid1.Row = 0

 Me.MSFlexGrid1.Text = "Equipo"

 Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

 Me.MSFlexGrid1.Col = 2

 Me.MSFlexGrid1.Row = 0

 Me.MSFlexGrid1.Text = "Descripción"

 Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

 Me.MSFlexGrid1.Col = 3

```
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Precio"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Cantidad"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1
```

Conectar cn

```
Set rs = cn.Execute("Select * From COTIZA_DET Where cotizatum="" & Trim(Me.txt_codcotiza) & """)
```

```
Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!equcod
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!costo
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!cantidad
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

cn.Close

Conectar cn

```
On Error GoTo error_1:
Set rs = cn.Execute("Select sum(cantidad * costo) as Total From COTIZA_DET Where cotizatum="" & Trim(Me.txt_codcotiza) & """)
Me.Text3 = rs!Total
Me.txt_total = rs!Total
```

cn.Close

End If

```
Me.cmd_editar.Enabled = False
Me.cmd_nuevo.Enabled = True
Me.cmd_guardar.Enabled = False
Me.cmd_eliminar.Enabled = False
```

Exit Sub

error_1:

cn.Close

End Sub

Private Sub cmd_guardar_Click()

Dim rs As New ADODB.Recordset

Me.cmd_guardar.Enabled = False

Me.cmd_nuevo.Enabled = True

Me.cmd_editar.Enabled = True

Me.cmd_eliminar.Enabled = True

If BotonBuscar1 = True Then

 Conectar cn

 Set rs = cn.Execute("Insert Into COTIZA_DET Values('" & Trim(Me.txt_codcotiza) & "','" & Trim(CodEquipo) & "','" & Trim(Me.txt_desc) & "','" & Trim(Me.txt_cantidad) & "','" & Trim(CodGarantia) & "','" & Trim(Me.txt_price) & "')")

 MsgBox "Detalle ingresado exitosamente.", vbOKOnly + vbInformation

 Me.txt_cantidad.Enabled = False

 Me.txt_desc.Enabled = False

 Me.txt_price.Enabled = False

 Me.MSFlexGrid1.Clear

 Me.MSFlexGrid1.Rows = 2

 Me.MSFlexGrid1.Cols = 5

 Me.MSFlexGrid1.FixedRows = 1

 Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

 Me.MSFlexGrid1.Col = 1

 Me.MSFlexGrid1.Row = 0

 Me.MSFlexGrid1.Text = "Equipo"

 Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

 Me.MSFlexGrid1.Col = 2

 Me.MSFlexGrid1.Row = 0

 Me.MSFlexGrid1.Text = "Descripción"

 Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

 Me.MSFlexGrid1.Col = 3

 Me.MSFlexGrid1.Row = 0

 Me.MSFlexGrid1.Text = "Precio"

 Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1

```

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Cantidad"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1

Set rs = cn.Execute("Select * From COTIZA_DET Where cotizatum="" &
Trim(Me.txt_codcotiza) & """)

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!equcod
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!costo
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!cantidad
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

cn.Close
Else
    Conectar cn
    Set rs = cn.Execute("Update COTIZA_DET set equcod="" & Trim(CodEquipo) &
"",descripcion="" & Trim(Me.txt_desc) & ",cantidad="" & Trim(Me.txt_cantidad) &
",warrantycod="" & Trim(CodGarantia) & ",costo="" & Trim(Me.txt_price) & " where
cotizatum="" & Trim(Me.txt_codcotiza) & """)
    MsgBox "Detalle actualizado exitosamente.", vbOKOnly + vbInformation

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 5
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "Equipo"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "Descripción"

```

```

Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Precio"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Cantidad"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1

Set rs = cn.Execute("Select * From COTIZA_DET Where cotizatum="" &
Trim(Me.txt_codcotiza) & """)

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!equcod
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!costo
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!cantidad
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

cn.Close
End If

Conectar cn

Set rs = cn.Execute("Select sum(cantidad * costo) as Total From COTIZA_DET Where
cotizatum="" & Trim(Me.txt_codcotiza) & """)
Me.Text3 = rs!Total
Me.txt_total = "$" & rs!Total

cn.Close

End Sub

Private Sub cmd_nuevo_Click()

Dim rs As New ADODB.Recordset

```

```
Me.cmd_editar.Enabled = False
Me.cmd_eliminar.Enabled = False
Me.cmb_equipo.Enabled = True
Me.cmb_garantia.Enabled = True
Me.cmd_guardar.Enabled = True
Me.txt_desc.Enabled = True
Me.txt_cantidad.Enabled = True
Me.txt_price.Enabled = True
Me.txt_price = ""
Me.txt_desc = ""
Me.txt_cantidad = ""
Me.txt_equipo = ""
Me.txt_garantia = ""
```

```
Conectar cn
```

```
Me.cmb_equipo.Clear
Set rs = cn.Execute("Select equdesc From EQUIPOS")
Do While rs.EOF = False
    Me.cmb_equipo.AddItem rs!equdesc
    rs.MoveNext
Loop
```

```
cn.Close
```

```
Conectar cn
```

```
Me.cmb_garantia.Clear
Set rs = cn.Execute("Select descripcion From CODIGOS where idmodulo='GARA'")
Do While rs.EOF = False
    Me.cmb_garantia.AddItem rs!descripcion
    rs.MoveNext
Loop
```

```
cn.Close
```

```
BotonBuscar1 = True
```

```
End Sub
```

```
Private Sub Command1_Click()
```

```
Load frm_comparativo_cotizaciones
frm_comparativo_cotizaciones.Show
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Me.SSTab2.tab = 0
```

```
Iniciar_barra Me
```

```
Me.cmb_tippago.AddItem "Contado"
```

```
Me.cmb_status.AddItem "Aprobado"
```

```
Me.cmb_status.AddItem "En Estudio"
```

```
Me.cmb_status.AddItem "Rechazado"
```

```
End Sub
```

```
Private Sub MSFlexGrid1_DblClick()
```

```
Dim rs As ADODB.Recordset
```

```
Conectar cn
```

```
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
```

```
Me.MSFlexGrid1.Col = 1
```

```
Set rs = cn.Execute("Select * From COTIZA_DET Where cotizanum = '" &  
Trim(Me.txt_codcotiza) & "' and equocod='" & Trim(Me.MSFlexGrid1.Text) & "'")
```

```
Me.txt_equipo = rs!equocod
```

```
Me.txt_cantidad = rs!cantidad
```

```
Me.txt_price = rs!costo
```

```
Me.txt_garantia = rs!warrantycod
```

```
Me.txt_desc = rs!descripcion
```

```
Me.SSTab2.tab = 0
```

```
cn.Close
```

```
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
```

```
Dim rs As New ADODB.Recordset
```

```
Select Case Button.Key
```

```
Case "cmd_nuevo":
```

```
Me.txt_codcotiza = ""
```

```
Me.txt_fechacotiza = ""
```

```
Me.txt_vigenciad = ""
```

```

Me.txt_vigenciah = ""
Me.txt_tentrega = ""
Me.txt_proveedor = ""
Me.txt_tippago = ""
Me.txt_status = ""
Me.txt_total = ""
Me.txt_vigenciad.Enabled = True
Me.txt_vigenciah.Enabled = True
Me.txt_tentrega.Enabled = True
Me.cmb_proveedor.Enabled = True
Me.cmb_status.Enabled = True
Me.cmb_tippago.Enabled = True
Me.txt_cantidad.Enabled = False
Me.txt_desc.Enabled = False
Me.txt_price.Enabled = False
Me.txt_equipo.Enabled = False
Me.txt_garantia.Enabled = False
Me.txt_cantidad = ""
Me.txt_desc = ""
Me.txt_price = ""
Me.txt_equipo = ""
Me.txt_garantia = ""
Call genera_codigo_cotiza
Conectar cn
Set rs = cn.Execute("Select * From PROVEEDORES")
Do While rs.EOF = False
    Me.cmb_proveedor.AddItem rs!vdrnom
    rs.MoveNext
Loop
cn.Close
Guardar_barra Me
Me.txt_fechacotiza = Date
Case "cmd_guardar":
    If BotonBuscar2 = True Then
        Buscar_barra Me
        Select Case Me.txt_status
            Case "Aprobado":
                Status = 1
            Case "En Estudio":
                Status = 2
            Case "Rechazado":
                Status = 3
        End Select

        Select Case Me.txt_tippago
            Case "Contado":
                Pago = 1

```

```

End Select

Conectar cn

If Me.Toolbar1.Buttons(2).Caption = "Guardar" Then
    Set rs = cn.Execute("Insert Into COTIZA_HEADER Values('" &
Trim(Me.txt_codcotiza) & "','" & Trim(Me.txt_fechacotiza) & "','" &
Trim(Me.txt_vigenciad) & "','" & Trim(Me.txt_vigenciah) & "','" & Trim(CodProveedor) &
"',"' & Trim(Me.txt_tentrega) & "','" & Trim(Pago) & "','" & Trim(Status) & "'")
    MsgBox "Encabezado ingresado exitosamente.", vbOKOnly + vbInformation
    Me.txt_vigenciad.Enabled = False
    Me.txt_tentrega.Enabled = False
    Me.txt_vigenciah.Enabled = False
    cn.Close
End If
Else
Conectar cn
Select Case Me.txt_status
    Case "Aprobado":
        Status = 1
    Case "En Estudio":
        Status = 2
    Case "Rechazado":
        Status = 3
End Select
Select Case Me.txt_tippago
    Case "Contado":
        Pago = 1
End Select
Set rs = cn.Execute("Select * from Proveedores Where vdrnom='" &
Trim(Me.txt_proveedor) & "'")
CodProveedor = rs!vdrcod
Set rs = cn.Execute("Update COTIZA_HEADER Set fecha='" & Date &
"',videnciade='" & Trim(Me.txt_vigenciad) & "',vigenciahasta='" &
Trim(Me.txt_vigenciah) & "',vdrcod='" & Trim(CodProveedor) & "',deliverytime='" &
Trim(Me.txt_tentrega) & "',tippago='" & Trim(Pago) & "',status='" & Trim(Status) & "'
where cotiz anum='" & Trim(Me.txt_codcotiza) & "'")
MsgBox "Encabezado actualizado exitosamente.", vbOKOnly + vbInformation
Me.txt_vigenciad.Enabled = False
Me.txt_tentrega.Enabled = False
Me.txt_vigenciah.Enabled = False
End If
Case "cmd_eliminar":
    respuesta = MsgBox("¿Esta seguro que desea eliminar la cotización?", vbYesNo +
vbCritical)
    If respuesta = vbYes Then
        Conectar cn

```

```

        Set rs = cn.Execute("Delete From COTIZA_DET Where cotizanum="" &
Trim(Me.txt_codcotiza) & """)
        Me.txt_price = ""
        Me.txt_desc = ""
        Me.txt_cantidad = ""
        Me.txt_equipo = ""
        Me.txt_garantia = ""
        Me.Text3 = ""
        Me.txt_price.Enabled = False
        Me.txt_desc.Enabled = False
        Me.txt_cantidad.Enabled = False
        Me.txt_equipo.Enabled = False
        Me.txt_garantia.Enabled = False
        Me.MSFlexGrid1.Clear
        cn.Close
        Conectar cn
        Set rs = cn.Execute("Delete From COTIZA_HEADER Where cotizanum="" &
Trim(Me.txt_codcotiza) & """)
        Me.txt_codcotiza = ""
        Me.txt_fechacotiza = ""
        Me.txt_vigenciad = ""
        Me.txt_vigenciah = ""
        Me.txt_tentrega = ""
        Me.txt_proveedor = ""
        Me.txt_tippago = ""
        Me.txt_status = ""
        Me.txt_total = ""
        Me.txt_vigenciad.Enabled = False
        Me.txt_vigenciah.Enabled = False
        Me.txt_tentrega.Enabled = False
        Me.cmb_proveedor.Enabled = False
        Me.cmb_status.Enabled = False
        Me.cmb_tippago.Enabled = False
        cn.Close
        Iniciar_barra Me
    End If
    Case "cmd_editar":
        Guardar_barra Me
        BotonBuscar2 = False
        Me.txt_vigenciad.Enabled = True
        Me.txt_vigenciah.Enabled = True
        Me.txt_tentrega.Enabled = True
        Me.cmb_proveedor.Enabled = True
        Me.cmb_status.Enabled = True
        Me.cmb_tippago.Enabled = True
        Me.txt_cantidad.Enabled = False
        Me.txt_desc.Enabled = False

```

```

Me.txt_price.Enabled = False
Me.txt_equipo.Enabled = False
Me.txt_garantia.Enabled = False
Case "cmd_buscar":
    searchstring = InputBox("Cotización a buscar:", "Busqueda")
    On Error GoTo error_busqueda:
    Conectar cn
    Set rs = cn.Execute("Select a.*,b.vdrnom From COTIZA_HEADER a,proveedores b
Where a.cotizatum Like '%" & searchstring & "%' and a.vdrcod=b.vdrcod")
    Me.txt_codcotiza = rs!cotizatum
    Me.txt_fechacotiza = rs!fecha
    Me.txt_vigenciad = rs!videnciade
    Me.txt_vigenciah = rs!vigenciahasta
    Me.txt_tentrega = rs!deliverytime
    Me.txt_proveedor = rs!vdrnom
    Me.txt_tippago = rs!tippago
    Me.txt_status = rs!Status

    Select Case rs!Status
        Case 1:
            Me.txt_status = "Aprobado"
        Case 2:
            Me.txt_status = "En Estudio"
        Case 3:
            Me.txt_status = "Rechazado"
    End Select

    Select Case rs!tippago
        Case 1:
            Me.txt_tippago = "Contado"
    End Select
    cn.Close

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 5
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "Equipo"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "Descripción"

```

```
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 3
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "Precio"
```

```
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 4
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "Cantidad"
```

```
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select * From COTIZA_DET Where cotizatum="" &  
Trim(Me.txt_codcotiza) & """)
```

```
Do While rs.EOF = False
```

```
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```
Me.MSFlexGrid1.Col = 1
```

```
Me.MSFlexGrid1.Text = rs!equcod
```

```
Me.MSFlexGrid1.Col = 2
```

```
Me.MSFlexGrid1.Text = rs!descripcion
```

```
Me.MSFlexGrid1.Col = 3
```

```
Me.MSFlexGrid1.Text = rs!costo
```

```
Me.MSFlexGrid1.Col = 4
```

```
Me.MSFlexGrid1.Text = rs!cantidad
```

```
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
```

```
rs.MoveNext
```

```
Loop
```

```
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
cn.Close
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select sum(cantidad * costo) as Total From COTIZA_DET  
Where cotizatum="" & Trim(Me.txt_codcotiza) & """)
```

```
Me.Text3 = rs!Total
```

```
Me.txt_total = "$" & rs!Total
```

```
cn.Close
```

```
Buscar_barra Me
```

```
Me.SSTab2.tab = 1
```

```
Case "cmd_imprimir":
```

```
Load frm_preview_cotizacion1
```

```

        frm_preview_cotizacion1.Show
    Case "cmd_salir":
        Unload Me
    End Select

Exit Sub

error_busqueda:
    Dim error As ADODB.error

    For Each error In cn.Errors
        MsgBox "Error " & Str(error.Number) & ": " & error.Description, vbOKOnly +
vbCritical, "SGI"
    Next

    MsgBox "El registro no existe", vbOKOnly + vbInformation, "SGI"
    cn.Close

End Sub

Private Function genera_codigo_cotiza()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select Count(cotizatum) as cuenta_cuantos From cotiza_header")

If rs!cuenta_cuantos = 0 Then
    Me.txt_codcotiza = "COT001"
Else
    Set rs = cn.Execute("Select Max(cotizatum) as maximo1 From cotiza_header")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)
    Select Case longitud
        Case Is = 1
            Codigo_cotiza = "COT00" & Trim(Str(maximo2))
            Me.txt_codcotiza = Codigo_cotiza
        Case Is = 2
            Codigo_cotiza = "COT0" & Trim(Str(maximo2))
            Me.txt_codcotiza = Codigo_cotiza
        Case Is = 3
            Codigo_cotiza = "COT" & Trim(Str(maximo2))
            Me.txt_codcotiza = Codigo_cotiza
        Case Else
            MsgBox "Ya la regaste, ya no hay espacio... :)"
    End Select
End If
End Function

```

End Select
End If

cn.Close

End Function

Formulario de Recepciones de Compras

The screenshot shows a Windows-style application window titled "Recepciones". The title bar includes standard icons: a plus sign (Nuevo), a floppy disk (Guardar), a pencil (Editar), a red X (Eliminar), a magnifying glass (Buscar), a printer (Imprimir), and a person (Salir). The main content area is divided into two sections. The top section, under the "Recepciones" header, contains five input fields: "Nº Recepcion" (text), "Fecha" (text), "Proveedor" (dropdown), "Nº Factura" (text), and "Tipo Factura" (dropdown). Below this is a tabbed interface with two tabs: "Detalle" (selected) and "Resumen". The "Detalle" tab contains a sub-form with a toolbar (plus, floppy, REC, X icons) and five input fields: "Equipo" (dropdown), "Costo" (text), "Cantidad" (text), "Garantia" (dropdown), and "Cargado a:" (dropdown).

Codigo Fuente

```
Dim cn As New ADODB.Connection  
Dim botonguardar As Boolean  
Dim BotonGuardar1 As Boolean  
Dim CodigoEquipo As String
```

```
Private Function genera_numero_recepcion()  
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select count(compno) as cuenta_cuantos From  
COMPRA_HEADER")
```

```

If rs!cuenta_cuantos = 0 Then
    Me.txt_norecep = "RC0001"
Else
    Set rs = cn.Execute("select max(compno) as maximo1 from COMPRA_HEADER")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)

    Select Case longitud
        Case Is = 1
            Codigo_RECPC = "RC000" & Trim(Str(maximo2))
            Me.txt_norecep = Codigo_RECPC
        Case Is = 2
            Codigo_RECPC = "RC00" & Trim(Str(maximo2))
            Me.txt_norecep = Codigo_RECPC
        Case Is = 3
            Codigo_RECPC = "RC0" & Trim(Str(maximo2))
            Me.txt_norecep = Codigo_RECPC
        Case Is = 4
            Codigo_RECPC = "RC" & Trim(Str(maximo2))
            Me.txt_norecep = Codigo_RECPC
        Case Else
            MsgBox "No hay mas codigos por dar, con Gerente de Tecnologia... :)"
    End Select
End If

cn.Close
End Function

Private Sub cmb_equipo_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select * from equipos where equdesc=" & Trim(Me.cmb_equipo) &
"")
Me.txt_barra = rs!equibarra
CodigoEquipo = rs!equicod

cn.Close

End Sub

Private Sub cmd_editar_Click()

```

```

Dim rs As New ADODB.Recordset

BotonGuardar1 = False

Conectar cn

Set rs = cn.Execute("Select descripcion From codigos where idmodulo='GARA'")
Me.cmb_garantia.Clear
Do While rs.EOF = False
    Me.cmb_garantia.AddItem rs!descripcion
    rs.MoveNext
Loop

cn.Close

End Sub

Private Sub cmd_eliminar_Click()

Dim rs As New ADODB.Recordset

verifica = MsgBox("Esta seguro de querer eliminar el detalle?", vbCritical + vbYesNo)

If verifica = vbYes Then
    Conectar cn

    Set rs = cn.Execute("select * from equipos where equdesc="" & Trim(Me.cmb_equipo)
    & """)
    Equipo = rs!equcod

    Set rs = cn.Execute("select * from centros_de_costos where ccnom="" &
    Trim(Me.cmb_centrocosto) & """)
    CentroCosto = rs!cccod

    Set rs = cn.Execute("select sum(cantid*costo) as Monto from compra_det where
    equcod="" & Trim(Equipo) & "" and compno="" & Trim(Me.txt_norecep) & """)
    monto = rs!monto

    Set rs = cn.Execute("delete from compra_det where compno="" & Trim(Me.txt_norecep)
    & "" and equcod="" & Trim(Equipo) & """)

    Set rs = cn.Execute("delete from hardware where compno="" & Trim(Me.txt_norecep) &
    "" and equcod="" & Trim(Equipo) & """)

    MsgBox "Detalle eliminado exitosamente.", vbInformation + vbOKOnly

    Me.cmb_centrocosto = ""

```

```
Me.cmb_equipo = ""
Me.cmb_garantia = ""
Me.txt_cantidad = ""
Me.txt_costo = ""
```

```
Me.MSFlexGrid1.Clear
Me.MSFlexGrid1.Rows = 2
Me.MSFlexGrid1.Cols = 8
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04
```

```
Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CODIGO"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "EQUIPO"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "COSTO"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CANTIDAD"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "TOTAL"
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 6
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CARGADO A"
Me.MSFlexGrid1.ColWidth(6) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select a.equod,b.equdesc,a.costo,a.cantid,c.ccnom From
COMPRA_DET A,EQUIPOS B,CENTROS_DE_COSTOS C Where A.equod=B.equod
and a.ccod=c.ccod and a.compno="" & Trim(Me.txt_norecep) & """)
```

```
Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Text = rs!equcod
Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Text = rs!equdesc
Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Text = rs!costo
Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Text = rs!cantid
Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Text = rs!costo * rs!cantid
Me.MSFlexGrid1.Col = 6
Me.MSFlexGrid1.Text = rs!ccnom
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

Set rs = cn.Execute("Update presupuestos set saldo=saldo+" & Val(monto) & " where
cccod=" & Trim(CentroCosto) & """)

End If

cn.Close

Me.SSTab2.tab = 1

End Sub

Private Sub cmd_guardar_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select cccod from centros_de_costos where ccnom =" &
Trim(Me.cmb_centrocosto) & """)
CentroCosto1 = rs!cccod

If BotonGuardar1 = True Then
Set rs = cn.Execute("Select * from presupuestos where cccod=" & CentroCosto1 & """)
SaldoActual = rs!saldo
PresupuestoActual = rs!presupuesto
monto = Val(Me.txt_cantidad) * Val(Me.txt_costo)
If monto > SaldoActual Then
MsgBox "Imposible cargar monto a Centro de Costo, presupuesto insuficiente",
vbInformation + vbOKOnly
Else

```

```

Set rs = cn.Execute("select * from codigos where descripcion=" &
Trim(Me.cmb_garantia) & """)
garantia = rs!idcodigo
Set rs = cn.Execute("Update presupuestos set saldo=(saldo-" & monto & ") where
cccod=" & CentroCosto1 & """)
Set rs = cn.Execute("Insert into COMPRA_DET values(" & Trim(Me.txt_norecep) &
",," & CodigoEquipo & ",," & Trim(Me.txt_cantidad) & ",," & Trim(Me.txt_costo) & ",,"
& CentroCosto1 & ",," & garantia & """)")
MsgBox "Detalle ingresado exitosamente.", vbOKOnly + vbInformation

```

```

Me.MSFlexGrid1.Clear
Me.MSFlexGrid1.Rows = 2
Me.MSFlexGrid1.Cols = 8
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

```

```

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CODIGO"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

```

```

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "EQUIPO"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

```

```

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "COSTO"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1

```

```

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CANTIDAD"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1

```

```

Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "TOTAL"
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.1

```

```

Me.MSFlexGrid1.Col = 6
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CARGADO A"
Me.MSFlexGrid1.ColWidth(6) = Me.MSFlexGrid1.Width * 0.2

```

```
Set rs = cn.Execute("Select a.equcod,b.equdesc,a.costo,a.cantid,c.ccnom From
COMPRA_DET A,EQUIPOS B,CENTROS_DE_COSTOS C Where A.equcod=B.equcod
and a.cccd=c.cccd and a.compno=" & Trim(Me.txt_norecep) & """)
```

```
Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!equcod
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!equdesc
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!costo
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!cantid
    Me.MSFlexGrid1.Col = 5
    Me.MSFlexGrid1.Text = rs!costo * rs!cantid
    Me.MSFlexGrid1.Col = 6
    Me.MSFlexGrid1.Text = rs!ccnom
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
Set rs = cn.Execute("select * from proveedores where vdrnom=" &
Trim(Me.cmb_proveedor) & """)
provselected = rs!vdrcod
Set rs = cn.Execute("select * from fabricantes where fabnom=" &
Trim(frm_series_recepciones.cmb_fabricante) & """)
Fabricante = rs!fabcod
```

```
For i = 1 To (frm_series_recepciones.MSFlexGrid1.Rows - 2)
    frm_series_recepciones.MSFlexGrid1.Row = i
    frm_series_recepciones.MSFlexGrid1.Col = 1
    serie = frm_series_recepciones.MSFlexGrid1.Text
```

```
Set rs = cn.Execute("Insert Into
HARDWARE(noserie,eqcod,descripcion,fabcod,vdrcod,status,feccompra,usercod,compno
) values(" & Trim(serie) & ", " & _
"" & Trim(CodigoEquipo) & ", " & _
"" & Trim(Me.cmb_equipo) & ", " & _
" & Trim(Fabricante) & ", " & _
"" & Trim(provselected) & ", " & _
"1", " & _
"" & Trim(Me.txt_fecha) & ", " & _
"" & Trim(Usuario) & ", " & Trim(Me.txt_norecep) & """)
Next i
Me.SSTab2.tab = 1
```

```

        Unload frm_series_recepciones
    End If
ElseIf BotonGuardar1 = False Then
    Set rs = cn.Execute("Select * from COMPRA_DET Where compno=" &
Trim(Me.txt_norecep) & " and equcod=" & CodigoEquipo & "")
    Compr1 = rs!compno
    Equipo1 = rs!equcod
    Set rs = cn.Execute("select * from codigos where descripcion=" &
Trim(Me.cmb_garantia) & "")
    garantia = rs!idcodigo
    Set rs = cn.Execute("Update COMPRA_DET Set equcod=" & CodigoEquipo &
",cantid=" & Trim(Me.txt_cantidad) & ",costo=" & Trim(Me.txt_costo) & ",cccod=" &
CentroCosto1 & ",warrantycod=" & garantia & " Where compno=" & Compr1 & " and
equcod=" & Equipo1 & "")
    MsgBox "Detalle actualizado exitosamente.", vbOKOnly + vbInformation

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 8
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "CODIGO"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "EQUIPO"
    Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "BARRA"
    Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2

    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "COSTO"
    Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1

    Me.MSFlexGrid1.Col = 5
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "CANTIDAD"
    Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.1

```

```
Me.MSFlexGrid1.Col = 6
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "TOTAL"
Me.MSFlexGrid1.ColWidth(6) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 7
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CARGADO A"
Me.MSFlexGrid1.ColWidth(7) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select a.equocod,b.equdesc,b.equbarra,a.costo,a.cantid,c.ccnom
From COMPRA_DET A,EQUIPOS B,CENTROS_DE_COSTOS C Where
A.equocod=B.equocod and a.cccod=c.cccod and a.compno="" & Trim(Me.txt_norecep) & """)
```

```
Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!equocod
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!equdesc
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!equbarra
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!costo
    Me.MSFlexGrid1.Col = 5
    Me.MSFlexGrid1.Text = rs!cantid
    Me.MSFlexGrid1.Col = 6
    Me.MSFlexGrid1.Text = rs!costo * rs!cantid
    Me.MSFlexGrid1.Col = 7
    Me.MSFlexGrid1.Text = rs!ccnom
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
```

```
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
Me.SSTab2.tab = 1
End If
```

```
cn.Close
```

```
End Sub
```

```
Private Sub cmd_nuevo_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
BotonGuardar1 = True
```

Conectar cn

```
Set rs = cn.Execute("Select equdesc From EQUIPOS")
```

```
Me.cmb_equipo.Clear
```

```
Do While rs.EOF = False
```

```
    Me.cmb_equipo.AddItem rs!equdesc
```

```
    rs.MoveNext
```

```
Loop
```

```
Set rs = cn.Execute("Select ccnom From CENTROS_DE_COSTOS")
```

```
Me.cmb_centrocosto.Clear
```

```
Do While rs.EOF = False
```

```
    Me.cmb_centrocosto.AddItem rs!ccnom
```

```
    rs.MoveNext
```

```
Loop
```

```
Set rs = cn.Execute("Select descripcion From codigos where idmodulo='GARA'")
```

```
Me.cmb_garantia.Clear
```

```
Do While rs.EOF = False
```

```
    Me.cmb_garantia.AddItem rs!descripcion
```

```
    rs.MoveNext
```

```
Loop
```

```
cn.Close
```

```
End Sub
```

```
Private Sub MSFlexGrid1_DblClick()
```

```
Dim rs As ADODB.Recordset
```

```
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
```

```
Me.MSFlexGrid1.Col = 1
```

```
Equipo1 = Me.MSFlexGrid1.Text
```

Conectar cn

```
Set rs = cn.Execute("Select c.equdesc,a.costo,a.cantid,b.ccnom,d.descripcion From  
COMPRA_DET A,CENTROS_DE_COSTOS B,EQUIPOS C,codigos d Where  
a.warrantycod=d.idcodigo and A.equcod="" & Equipo1 & "" and a.cccod=b.cccod and  
a.equcod=c.equcod")
```

```
Me.cmb_equipo = rs!equdesc
```

```
Me.cmb_centrocosto.Text = rs!ccnom
```

```
Me.txt_costo = rs!costo
```

```

Me.txt_cantidad = rs!cantid
Me.cmb_garantia = rs!descripcion
Me.SSTab2.tab = 0

cn.Close

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key
Case "cmd_nuevo":
    Conectar cn
    Set rs = cn.Execute("Select VDRNOM From PROVEEDORES")
    Me.cmb_proveedor.Clear
    Do While rs.EOF = False
        Me.cmb_proveedor.AddItem rs!vdrnom
        rs.MoveNext
    Loop
    cn.Close
    Me.cmb_tipfactura.Clear
    Me.cmb_tipfactura.AddItem "Consumidor Final"
    Me.cmb_tipfactura.AddItem "Credito Fiscal"
    Call genera_numero_recepcion
    Me.txt_fecha = Date
    botonguardar = True
Case "cmd_guardar":
    If botonguardar = True Then
        Conectar cn
        Set rs = cn.Execute("Select vdrcod From PROVEEDORES Where vdrnom=" &
Trim(Me.cmb_proveedor) & """)
        CodProv1 = rs!vdrcod
        If Me.cmb_tipfactura = "Consumidor Final" Then
            TipoFactura1 = "1"
        ElseIf Me.cmb_tipfactura = "Credito Fiscal" Then
            TipoFactura1 = "2"
        End If
        Set rs = cn.Execute("Insert into COMPRA_HEADER values (" &
Trim(Me.txt_norecep) & "," & Trim(Me.txt_nofactura) & "," & CodProv1 & "," & Date
& "," & TipoFactura1 & "," & Usuario & ")")
        MsgBox "Encabezado ingresado exitosamente.", vbOKOnly + vbInformation
        cn.Close
    End If
Case "cmd_buscar":
    busqueda = InputBox("Ingrese el numero de recepcion:")

```

```

Conectar cn
On Error GoTo error_busqueda:
Set rs = cn.Execute("Select a.compno,b.vdrnom,a.nofact,a.tipfact,a.compfec From
COMPRA_HEADER a,proveedores b where a.vdrcod=b.vdrcod and a.compno='" &
busqueda & "'")
If rs!tipfact = "1" Then
    Me.cmb_tipfactura.Text = "Consumidor Final"
ElseIf rs!tipfact = "2" Then
    Me.cmb_tipfactura.Text = "Credito Fiscal"
End If
Me.txt_norecep = rs!compno
Me.txt_fecha = rs!compfec
Me.txt_nofactura = rs!nofact
Me.cmb_proveedor.Text = rs!vdrnom

Me.MSFlexGrid1.Clear
Me.MSFlexGrid1.Rows = 2
Me.MSFlexGrid1.Cols = 8
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CODIGO"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "EQUIPO"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "COSTO"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.1

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CANTIDAD"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1

Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "TOTAL"
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.1

Me.MSFlexGrid1.Col = 6

```

```

Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CARGADO A"
Me.MSFlexGrid1.ColWidth(6) = Me.MSFlexGrid1.Width * 0.2

```

```

Set rs = cn.Execute("Select a.equocod,b.equDESC,a.costo,a.cantid,c.ccnom From
COMPRA_DET A,EQUIPOS B,CENTROS_DE_COSTOS C Where A.equocod=B.equocod
and a.cccod=c.cccod and a.compno="" & Trim(Me.txt_norecep) & """)

```

```

Do While rs.EOF = False
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Text = rs!equocod
Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Text = rs!equDESC
Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Text = rs!costo
Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Text = rs!cantid
Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Text = rs!costo * rs!cantid
Me.MSFlexGrid1.Col = 6
Me.MSFlexGrid1.Text = rs!ccnom
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
rs.MoveNext

```

```

Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

```

```

Me.SSTab2.tab = 1

```

```

cn.Close
Case "cmd_eliminar":
verifica = MsgBox("Esta seguro que desea eliminar la recepcion de orden de
compra?", vbCritical + vbYesNo)
If verifica = vbYes Then
Conectar cn
Set rs = cn.Execute("Delete from compra_det where compno="" &
Trim(Me.txt_norecep) & """)
Set rs = cn.Execute("Delete from compra_header where compno="" &
Trim(Me.txt_norecep) & """)
Set rs = cn.Execute("delete from hardware where compno="" &
Trim(Me.txt_norecep) & """)
MsgBox "Se elimino la recepcion exitosamente.", vbInformation + vbOKOnly
Me.MSFlexGrid1.Clear
Me.txt_norecep = ""
Me.txt_nofactura = ""
Me.txt_barra = ""
Me.txt_cantidad = ""

```

```

        Me.txt_costo = ""
        Me.txt_fecha = ""
        Me.cmb_centrocosto = ""
        Me.cmb_equipo = ""
        Me.cmb_proveedor = ""
        Me.cmb_tipfactura = ""
        cn.Close
    End If
    Case "cmd_salir":
        Unload Me
End Select

Exit Sub

error_busqueda:
Dim error As ADODB.error

For Each error In cn.Errors
    MsgBox "Error " & Str(error.Number) & ": " & error.Description, vbOKOnly +
vbCritical, "SGI"
Next

MsgBox "La recepcion no existe", vbOKOnly + vbInformation, "SGI"
cn.Close

End Sub

Private Sub txt_cantidad_LostFocus()

Load frm_series_recepciones
frm_series_recepciones.Show

End Sub

```

Formulario de Devoluciones a Proveedor

The screenshot shows a web application interface for 'Devoluciones'. At the top, there is a menu bar with the following options: Nuevo, Guardar, Editar, Eliminar, Buscar, Imprimir, and Salir. Below the menu bar, the main form area is titled 'Devoluciones'. It contains several input fields: 'Devolucion' (text), 'Proveedor' (dropdown), and 'Fecha' (text). Below these, there are two tabs: 'Detalle' and 'Resumen'. The 'Detalle' tab is active and contains a toolbar with icons for New, Save, Edit, and Delete. Below the toolbar, there are input fields for 'No. Recepcion' (dropdown), 'Equipo' (dropdown), 'Centro de Costo' (dropdown), 'Cantidad' (text), and 'Motivo' (dropdown). The 'Resumen' tab is currently empty.

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Dim recepselcted, provselcted, equiposelcted, ccselcted, motivoselcted As String
```

```
Dim botonguardar2 As Boolean
```

```
Private Sub cmb_cc_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("select a.cantid,b.cccod from compra_det a,centros_de_costos  
b,equipos c where a.equocod=c.equocod and a.compno="" & Trim(Me.cmb_compno) & "" and  
a.cccod=b.cccod and c.equodesc="" & Trim(Me.cmb_equipo) & "" and b.ccnom="" &  
Trim(Me.cmb_cc) & """)
```

```

Me.txt_cant = rs!cantid

ccselected = rs!cccod

cn.Close

End Sub

Private Sub cmb_compno_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("select distinct equdesc from compra_det a,equipos b where
a.compno=" & Trim(Me.cmb_compno) & " and a.equcod=b.equcod")
Me.cmb_equipo.Clear
Do While rs.EOF = False
    Me.cmb_equipo.AddItem rs!equdesc
    rs.MoveNext
Loop

cn.Close

recepsselected = Me.cmb_compno.Text

End Sub

Private Sub cmb_equipo_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("select b.ccnom,c.equcod from compra_det a,centros_de_costos
b,equipos c where a.equcod=c.equcod and a.compno=" & Trim(Me.cmb_compno) & " and
a.cccod=b.cccod and c.equdesc=" & Trim(Me.cmb_equipo) & """)
equiposelected = rs!equcod
Me.cmb_cc.Clear
Do While rs.EOF = False
    Me.cmb_cc.AddItem rs!ccnom
    rs.MoveNext
Loop

cn.Close

```

End Sub

Private Sub cmb_proveedor_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("select vdrnod from proveedores where vdrnom=" &
Trim(Me.cmb_proveedor) & """)

provselected = rs!vdrnod

cn.Close

End Sub

Private Sub cmd_editar_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("select * from compra_header where vdrnod=" & Trim(provselected)
& """)

Me.cmb_compno.Clear

Do While rs.EOF = False

 Me.cmb_compno.AddItem rs!compno

 rs.MoveNext

Loop

Set rs = cn.Execute("select * from codigos where idmodulo='DEVO'")

Me.cmb_motivo.Clear

Do While rs.EOF = False

 Me.cmb_motivo.AddItem rs!descripcion

 rs.MoveNext

Loop

cn.Close

botonguardar2 = False

End Sub

Private Sub cmd_eliminar_Click()

Dim rs As New ADODB.Recordset

```
verifica = MsgBox("Esta seguro que desea eliminar el detalle?", vbCritical + vbYesNo)
```

```
If verifica = vbYes Then
```

```
    Conectar cn
```

```
    Set rs = cn.Execute("select a.equod,b.cccod from equipos a,centros_de_costos  
b,devolucion_det c where a.equodesc=" & Trim(Me.cmb_equipo) & " and b.ccnom=" &  
Trim(Me.cmb_cc) & " and a.equod=c.equod and b.cccod=c.cccod and c.numdev=" &  
Trim(Me.txt_devolucion) & " and c.compno=" & Trim(Me.cmb_compno) & """)
```

```
    prueba1 = rs!equod
```

```
    prueba2 = rs!cccod
```

```
    Set rs = cn.Execute("delete from DEVOLUCION_DET where compno=" &  
Trim(Me.cmb_compno) & " and equod=" & Trim(prueba1) & " and cccod=" &  
Trim(prueba2) & """)
```

```
    MsgBox "Detalle eliminado exitosamente", vbInformation + vbOKOnly
```

```
Me.MSFlexGrid1.Clear
```

```
Me.MSFlexGrid1.Rows = 2
```

```
Me.MSFlexGrid1.Cols = 5
```

```
Me.MSFlexGrid1.FixedRows = 1
```

```
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04
```

```
Me.MSFlexGrid1.Col = 1
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "RECEPCION"
```

```
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 2
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "EQUIPO"
```

```
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 3
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "CENTRO_COSTO"
```

```
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 4
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "CANTIDAD"
```

```
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1
```

```
Set rs = cn.Execute("select a.compno,b.equodesc,c.ccnom,a.cantid from devolucion_det  
a,equipos b,centros_de_costos c where a.equod=b.equod and a.cccod=c.cccod and  
a.numdev=" & Trim(Me.txt_devolucion) & """)
```

```
Do While rs.EOF = False
```

```
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!compno
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!equdesc
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!ccnom
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!cantid
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

    Me.SSTab2.tab = 1
    cn.Close
End If

End Sub

Private Sub cmd_guardar_Click()

Dim rs As New ADODB.Recordset

If botonguardar2 = True Then
    Conectar cn
    Set rs = cn.Execute("select * from codigos where idmodulo='DEVO' and descripcion="
    & Trim(Me.cmb_motivo) & """)
    motivoselected = rs!idcodigo
    Set rs = cn.Execute("insert into DEVOLUCION_DET values (" &
    Trim(Me.txt_devolucion) & "," & Trim(recepslected) & "," & Trim(equiposelected) &
    "," & Trim(ccselected) & "," & Trim(Me.txt_cant) & "," & Trim(motivoselected) & ")")
    MsgBox "Detalle ingresado exitosamente", vbInformation + vbOKOnly

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 5
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "RECEPCION"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "EQUIPO"

```

```
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 3
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "CENTRO_COSTO"
```

```
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 4
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "CANTIDAD"
```

```
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1
```

```
Set rs = cn.Execute("select a.compno,b.equdesc,c.ccnom,a.cantid from devolucion_det  
a,equipos b,centros_de_costos c where a.equcod=b.equcod and a.cccod=c.cccod and  
a.numdev=" & Trim(Me.txt_devolucion) & """)
```

```
Do While rs.EOF = False
```

```
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```
    Me.MSFlexGrid1.Col = 1
```

```
    Me.MSFlexGrid1.Text = rs!compno
```

```
    Me.MSFlexGrid1.Col = 2
```

```
    Me.MSFlexGrid1.Text = rs!equdesc
```

```
    Me.MSFlexGrid1.Col = 3
```

```
    Me.MSFlexGrid1.Text = rs!ccnom
```

```
    Me.MSFlexGrid1.Col = 4
```

```
    Me.MSFlexGrid1.Text = rs!cantid
```

```
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
```

```
    rs.MoveNext
```

```
Loop
```

```
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
Me.SSTab2.tab = 1
```

```
cn.Close
```

```
Else
```

```
    Conectar cn
```

```
    Set rs = cn.Execute("select * from codigos where idmodulo='DEVO' and descripcion=" &  
& Trim(Me.cmb_motivo) & """)
```

```
    motivoselected = rs!idcodigo
```

```
    Set rs = cn.Execute("update DEVOLUCION_DET set compno=" & Trim(recepsselected)  
& ",equcod=" & Trim(equiposelected) & ",cccod=" & Trim(ccselected) & ",cantid=" &  
Trim(Me.txt_cant) & ",motivo=" & Trim(motivoselected) & " where numdev=" &  
Trim(Me.txt_devolucion) & """)
```

```
    MsgBox "Detalle actualizado exitosamente", vbInformation + vbOKOnly
```

```
Me.MSFlexGrid1.Clear
```

```
Me.MSFlexGrid1.Rows = 2
```

```
Me.MSFlexGrid1.Cols = 5
```

```
Me.MSFlexGrid1.FixedRows = 1
```

```
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04
```

```
Me.MSFlexGrid1.Col = 1
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "RECEPCION"
```

```
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 2
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "EQUIPO"
```

```
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 3
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "CENTRO_COSTO"
```

```
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 4
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "CANTIDAD"
```

```
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1
```

```
Set rs = cn.Execute("select a.compno,b.equdesc,c.ccnom,a.cantid from devolucion_det  
a,equipos b,centros_de_costos c where a.equcod=b.equcod and a.cccod=c.cccod and  
a.numdev="" & Trim(Me.txt_devolucion) & """)
```

```
Do While rs.EOF = False
```

```
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```
    Me.MSFlexGrid1.Col = 1
```

```
    Me.MSFlexGrid1.Text = rs!compno
```

```
    Me.MSFlexGrid1.Col = 2
```

```
    Me.MSFlexGrid1.Text = rs!equdesc
```

```
    Me.MSFlexGrid1.Col = 3
```

```
    Me.MSFlexGrid1.Text = rs!ccnom
```

```
    Me.MSFlexGrid1.Col = 4
```

```
    Me.MSFlexGrid1.Text = rs!cantid
```

```
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
```

```
    rs.MoveNext
```

```
Loop
```

```
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
Me.SSTab2.tab = 1
```

```
cn.Close
```

```
End If
```

```
End Sub
```

```

Private Sub cmd_nuevo_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("select * from compra_header where vdrcod="" & Trim(provselected)
& """)
Me.cmb_compno.Clear
Do While rs.EOF = False
    Me.cmb_compno.AddItem rs!compno
    rs.MoveNext
Loop

Set rs = cn.Execute("select * from codigos where idmodulo='DEVO'")
Me.cmb_motivo.Clear
Do While rs.EOF = False
    Me.cmb_motivo.AddItem rs!descripcion
    rs.MoveNext
Loop

cn.Close

botonguardar2 = True

End Sub

Private Sub MSFlexGrid1_DblClick()

Dim rs As ADODB.Recordset

Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
Me.MSFlexGrid1.Col = 3

Conectar cn
Set rs = cn.Execute("select a.compno,b.equdesc,c.ccnom,a.cantid,d.descripcion from
devolucion_det a,equipos b,centros_de_costos c,codigos d where a.equcod=b.equcod and
a.cccod=c.cccod and a.motivo=d.idcodigo and a.numdev="" & Trim(Me.txt_devolucion) &
"" and c.ccnom="" & Trim(Me.MSFlexGrid1.Text) & """)
Me.txt_cant = rs!cantid
Me.cmb_cc = rs!ccnom
Me.cmb_compno = rs!compno
Me.cmb_equipo = rs!equdesc
Me.cmb_motivo = rs!descripcion
Me.SSTab2.tab = 0
cn.Close

```

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key

Case "cmd_nuevo"

Call genera_numero_devolucion

Conectar cn

Set rs = cn.Execute("select vdrnom from proveedores")

Me.cmb_proveedor.Clear

Do While rs.EOF = False

Me.cmb_proveedor.AddItem rs!vdrnom

rs.MoveNext

Loop

cn.Close

Me.txt_fecha = Date

Case "cmd_guardar"

Conectar cn

Set rs = cn.Execute("Insert into DEVOLUCION_HEADER values(" &
Trim(Me.txt_devolucion) & ", " & Trim(provselected) & ", " & Trim(Date) & ", " &
Trim(Usuario) & " ")")

MsgBox "Encabezado ingresado exitosamente.", vbInformation + vbOKOnly

cn.Close

Case "cmd_eliminar"

verifica1 = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +
vbYesNo)

If verifica1 = vbYes Then

Conectar cn

Set rs = cn.Execute("delete from devolucion_det where numdev=" &
Trim(Me.txt_devolucion) & " ")

Set rs = cn.Execute("delete from devolucion_header where numdev=" &
Trim(Me.txt_devolucion) & " ")

MsgBox "Registro eliminando satisfactoriamente.", vbInformation + vbOKOnly

Me.txt_cant = ""

Me.txt_devolucion = ""

Me.txt_fecha = ""

Me.cmb_cc = ""

Me.cmb_compno = ""

Me.cmb_equipo = ""

Me.cmb_motivo = ""

Me.cmb_proveedor = ""

Me.MSFlexGrid1.Clear

cn.Close

```

End If
Case "cmd_buscar"
    busqueda = InputBox("No. de devolucion:")
    Conectar cn
    Set rs = cn.Execute("Select a.*,b.vdrnom from devolucion_header a, proveedores b
where a.numdev='" & Trim(busqueda) & "' and a.vdrcod=b.vdrcod")
    Me.txt_devolucion = rs!numdev
    Me.txt_fecha = rs!fecha
    Me.cmb_proveedor = rs!vdrnom

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 5
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "RECEPCION"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "EQUIPO"
    Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "CENTRO_COSTO"
    Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2

    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "CANTIDAD"
    Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.1

    Set rs = cn.Execute("select a.compno,b.equdesc,c.ccnom,a.cantid from devolucion_det
a,equipos b,centros_de_costos c where a.equcod=b.equcod and a.cccod=c.cccod and
a.numdev='" & Trim(Me.txt_devolucion) & "'")

    Do While rs.EOF = False
        Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
        Me.MSFlexGrid1.Col = 1
        Me.MSFlexGrid1.Text = rs!compno
        Me.MSFlexGrid1.Col = 2
        Me.MSFlexGrid1.Text = rs!equdesc
        Me.MSFlexGrid1.Col = 3

```

```

    Me.MSFlexGrid1.Text = rs!ccnom
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!cantid
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

    Me.SSTab2.tab = 1
    cn.Close
    Case "cmd_salir"
        Unload Me
End Select

End Sub

Private Function genera_numero_devolucion()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select count(numdev) as cuenta_cuantos From
DEVOLUCION_HEADER")

If rs!cuenta_cuantos = 0 Then
    txt_devolucion = "DEV001"
Else
    Set rs = cn.Execute("select max(numdev) as maximo1 from
DEVOLUCION_HEADER")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)

    Select Case longitud
        Case Is = 1
            Codigo_DEV = "DEV00" & Trim(Str(maximo2))
            txt_devolucion = Codigo_DEV
        Case Is = 2
            Codigo_DEV = "DEV0" & Trim(Str(maximo2))
            txt_devolucion = Codigo_DEV
        Case Is = 3
            Codigo_DEV = "DEV" & Trim(Str(maximo2))
            txt_devolucion = Codigo_DEV
        Case Else
            MsgBox "No hay mas codigos por dar, con Gerente de Tecnologia... :)"
    End Select
End Select

```

End If

cn.Close

End Function

Formulario de Gastos de Personal TI

The screenshot shows a web application interface for managing TI personnel expenses. At the top, there is a menu bar with icons for 'Nuevo', 'Guardar', 'Editar', 'Eliminar', 'Buscar', 'Imprimir', and 'Salir'. Below this is a main form area with a title bar 'Info.'. The form is divided into two sections: 'Detalle Gastos' and 'Totales'. The 'Detalle Gastos' section contains a sub-menu with icons for 'Nuevo', 'Guardar', 'ABC', and 'Eliminar', and several input fields: 'Nº Factura', 'Fecha', 'Monto', 'Tipo Gasto' (a dropdown menu), and 'Comentario'. The top section of the form includes fields for 'Nº Pago', 'Fecha desde', 'Fecha hasta', 'Usuario' (a dropdown menu), and a 'Status' dropdown menu.

Codigo Fuente

```
Dim cn As New ADODB.Connection  
Dim StatusBotonGuardar As Boolean  
Dim StatusBotonGuardar1 As Boolean
```

```
Private Sub cmd_editar_Click()
```

```
StatusBotonGuardar = False
```

```
End Sub
```

```
Private Sub cmd_eliminar_Click()
```

```
Dim rs As New ADODB.Recordset
```

```

verifica = MsgBox("Esta seguro que desea elimiar la factura del detalle?", vbCritical +
vbYesNo)
If verifica = vbYes Then
    Conectar cn
    Set rs = cn.Execute("Delete from GASTOSPER_DET where numfact=" &
Trim(Me.txt_factura) & """)
    MsgBox "Eliminacion de factura " & Me.txt_factura & " esitosa.", vbOKOnly +
vbInformation
    Me.txt_comment = ""
    Me.txt_factura = ""
    Me.txt_montofact = ""
    Me.tst_fechafact = ""
    Me.cmb_tipogasto.Text = ""

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 5
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "FECHA"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "FACTURA"
    Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "TIPO_GASTO"
    Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2

    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "MONTO"
    Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2

    Set rs = cn.Execute("Select A.FECHA,A.NUMFACT,B.DESCRIPCION,A.MONTO
From GASTOSPER_DET A,TIPOS_GASTOS B Where A.NUMPAG="" &
Trim(Me.txt_nopago) & "" AND A.TIPGASTO=B.CODGASTO")

    Do While rs.EOF = False
        Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
        Me.MSFlexGrid1.Col = 1

```

```

    Me.MSFlexGrid1.Text = rs!fecha
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!numfact
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!monto
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

    Me.SSTab2.tab = 1
    cn.Close
Else
    MsgBox "Eliminacion abortada", vbOKOnly + vbInformation
End If

End Sub

Private Sub cmd_guardar_Click()

Dim rs As New ADODB.Recordset

If StatusBotonGuardar = True Then
    Conectar cn
    Set rs = cn.Execute("Select * from tipos_gastos where descripcion=" &
Trim(Me.cmb_tipogasto) & """)
    TIPOGASTO = rs!codgasto
    Set rs = cn.Execute("Insert into GASTOSPER_DET values(" & Trim(Me.txt_nopago) &
",," & Trim(Me.txt_factura) & ",," & Trim(Me.txt_fecha) & ",," &
Trim(Me.txt_montofact) & ",," & TIPOGASTO & ",," & Trim(Me.txt_comment) & """)
    MsgBox "Detalle ingresado exitosamente.", vbOKOnly + vbInformation

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 5
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "FECHA"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0

```

```

Me.MSFlexGrid1.Text = "FACTURA"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "TIPO_GASTO"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "MONTO"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2

Set rs = cn.Execute("Select A.FECHA,A.NUMFACT,B.DESCRIPCION,A.MONTO
From GASTOSPER_DET A,TIPOS_GASTOS B Where A.NUMPAG=" &
Trim(Me.txt_nopago) & " AND A.TIPGASTO=B.CODGASTO")

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!fecha
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!numfact
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!monto
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

Me.SSTab2.tab = 1

cn.Close
Else
    MsgBox "Listo para actualizar"
    Conectar cn
    Set rs = cn.Execute("Select A.NUMFACT,A.MONTO From GASTOSPER_DET A
Where A.NUMPAG=" & Trim(Me.txt_nopago) & """)
    FacturaActualizar = rs!numfact
    Set rs = cn.Execute("Select * from tipos_gastos where descripcion=" &
Trim(Me.cmb_tipogasto) & """)
    TIPOGASTO = rs!codgasto
    Set rs = cn.Execute("Update GASTOSPER_DET set numfact=" & Trim(Me.txt_factura)
& ",fecha=" & Trim(Me.tst_fecha) & ",monto=" & Trim(Me.txt_monto) &

```

```
",tipgasto=" & TIPOGASTO & ",comments=" & Trim(Me.txt_comment) & " where  
numpag=" & Trim(Me.txt_nopago) & " and numfact=" & FacturaActualizar & """)  
MsgBox "Registro actualizado.", vbOKOnly + vbInformation
```

```
Me.MSFlexGrid1.Clear  
Me.MSFlexGrid1.Rows = 2  
Me.MSFlexGrid1.Cols = 5  
Me.MSFlexGrid1.FixedRows = 1  
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07
```

```
Me.MSFlexGrid1.Col = 1  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "FECHA"  
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1
```

```
Me.MSFlexGrid1.Col = 2  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "FACTURA"  
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 3  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "TIPO_GASTO"  
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 4  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "MONTO"  
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select A.FECHA,A.NUMFACT,B.DESCRIPCION,A.MONTO  
From GASTOSPER_DET A,TIPOS_GASTOS B Where A.NUMPAG=" &  
Trim(Me.txt_nopago) & " AND A.TIPGASTO=B.CODGASTO")
```

```
Do While rs.EOF = False  
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1  
Me.MSFlexGrid1.Col = 1  
Me.MSFlexGrid1.Text = rs!fecha  
Me.MSFlexGrid1.Col = 2  
Me.MSFlexGrid1.Text = rs!numfact  
Me.MSFlexGrid1.Col = 3  
Me.MSFlexGrid1.Text = rs!descripcion  
Me.MSFlexGrid1.Col = 4  
Me.MSFlexGrid1.Text = rs!monto  
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1  
rs.MoveNext  
Loop
```

```

Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

Me.SSTab2.tab = 1
cn.Close
End If

End Sub

Private Sub cmd_nuevo_Click()

Dim rs As New ADODB.Recordset

Conectar cn
Set rs = cn.Execute("Select * from TIPOS_GASTOS")

Me.cmb_tipogasto.Clear
Do While rs.EOF = False
    Me.cmb_tipogasto.AddItem rs!descripcion
    rs.MoveNext
Loop

StatusBotonGuardar = True

cn.Close

End Sub

Private Sub MSFlexGrid1_DblClick()

Dim rs As ADODB.Recordset

Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
Me.MSFlexGrid1.Col = 2

Conectar cn

Set rs = cn.Execute("Select
A.NUMFACT,A.FECHA,B.DESCRIPCION,A.MONTO,A.COMMENTS From
GASTOSPER_DET A,TIPOS_GASTOS B Where A.NUMFACT=" &
Me.MSFlexGrid1.Text & " AND A.TIPGASTO=B.CODGASTO ")
Me.txt_comment = rs!Comments
Me.txt_factura = rs!numfact
Me.txt_montofact = rs!monto
Me.txt_fecha = rs!fecha
Me.cmb_tipogasto.Text = rs!descripcion

```

```
Me.SSTab2.tab = 0
```

```
cn.Close
```

```
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
```

```
Dim rs As New ADODB.Recordset
```

```
Select Case Button.Key
```

```
Case "cmd_nuevo":
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select Nombre From USUARIOS A,PUESTOS B Where  
A.Jobcod=B.Jobcod And B.Jobdepto='DEP005'")
```

```
Me.cmb_usuario.Clear
```

```
Do While rs.EOF = False
```

```
Me.cmb_usuario.AddItem rs!nombre
```

```
rs.MoveNext
```

```
Loop
```

```
cn.Close
```

```
Call genera_numero_pago
```

```
Me.cmb_status.Clear
```

```
Me.cmb_status.AddItem "Pendiente"
```

```
Me.cmb_status.AddItem "Cancelado"
```

```
StatusBotonGuardar1 = True
```

```
Case "cmd_guardar":
```

```
If StatusBotonGuardar1 = True Then
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select username From USUARIOS Where Nombre="" &  
Trim(Me.cmb_usuario) & """)
```

```
UsuarioPago = rs!UserName
```

```
If Me.cmb_status.Text = "Pendiente" Then
```

```
Status = 1
```

```
ElseIf Me.cmb_status.Text = "Cancelado" Then
```

```
Status = 0
```

```
End If
```

```
Set rs = cn.Execute("Insert Into GASTOSPER_HEADER Values('" &  
Trim(Me.txt_nopago) & "','" & Trim(Me.txt_desde) & "','" & Trim(Me.txt_hasta) &  
"',CC0001,'" & Date & "','" & Status & "','" & UsuarioPago & "'")
```

```
MsgBox "Encabezado ingresado exitosamente.", vbOKOnly + vbInformation
```

```
cn.Close
```

```
Else
```

```
Conectar cn
```

```

        Set rs = cn.Execute("Select username From USUARIOS Where Nombre=" &
Trim(Me.cmb_usuario) & """)
        UsuarioPago1 = rs!UserName
        If Me.cmb_status.Text = "Pendiente" Then
            Status1 = 1
        ElseIf Me.cmb_status.Text = "Cancelado" Then
            Status1 = 0
        End If
        Set rs = cn.Execute("Update GASTOSPER_HEADER set fecha1=" &
Trim(Me.txt_desde) & ",fecha2=" & Trim(Me.txt_hasta) & ",fechaing=" & Date &
",status=" & Status1 & ",usercod=" & UsuarioPago1 & " where numpag=" &
Trim(Me.txt_nopago) & """)
        MsgBox "Encabezado actualizado.", vbOKOnly + vbInformation
    End If
    Case "cmd_editar":
        StatusBotonGuardar1 = False
    Case "cmd_buscar":
        Conectar cn
        busqueda = InputBox("Ingrese el numero de factura a buscar:", "Busqueda")
        On Error GoTo error_busqueda:
        Set rs = cn.Execute("Select a.*,b.nombre from GASTOSPER_HEADER a,usuarios
b,gastosper_det c where c.numfact=" & busqueda & " and a.usercod=b.username and
a.numpag=c.numpag")
        Me.txt_nopago = rs!numpag
        Me.txt_desde = rs!fecha1
        Me.txt_hasta = rs!fecha2
        Me.cmb_usuario = rs!nombre
        HolaStatus = rs!Status
        If HolaStatus = 1 Then
            Me.cmb_status = "Pendiente"
        ElseIf HolaStatus = 2 Then
            Me.cmb_status = "Cancelado"
        End If
        Me.MSFlexGrid1.Clear
        Me.MSFlexGrid1.Rows = 2
        Me.MSFlexGrid1.Cols = 5
        Me.MSFlexGrid1.FixedRows = 1
        Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

        Me.MSFlexGrid1.Col = 1
        Me.MSFlexGrid1.Row = 0
        Me.MSFlexGrid1.Text = "FECHA"
        Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.1

        Me.MSFlexGrid1.Col = 2
        Me.MSFlexGrid1.Row = 0
        Me.MSFlexGrid1.Text = "FACTURA"

```

```
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 3
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "TIPO_GASTO"
```

```
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 4
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "MONTO"
```

```
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select A.FECHA,A.NUMFACT,B.DESCRIPCION,A.MONTO  
From GASTOSPER_DET A,TIPOS_GASTOS B Where A.NUMPAG="" &  
Trim(Me.txt_nopago) & "" AND A.TIPGASTO=B.CODGASTO")
```

```
Do While rs.EOF = False
```

```
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```
    Me.MSFlexGrid1.Col = 1
```

```
    Me.MSFlexGrid1.Text = rs!fecha
```

```
    Me.MSFlexGrid1.Col = 2
```

```
    Me.MSFlexGrid1.Text = rs!numfact
```

```
    Me.MSFlexGrid1.Col = 3
```

```
    Me.MSFlexGrid1.Text = rs!descripcion
```

```
    Me.MSFlexGrid1.Col = 4
```

```
    Me.MSFlexGrid1.Text = rs!monto
```

```
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
```

```
    rs.MoveNext
```

```
Loop
```

```
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
Me.SSTab2.tab = 1
```

```
cn.Close
```

```
Case "cmd_eliminar":
```

```
    verifica1 = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +  
vbYesNo)
```

```
    If verifica1 = vbYes Then
```

```
        Conectar cn
```

```
        Set rs = cn.Execute("Delete from GASTOSPER_DET where numpag="" &  
Trim(Me.txt_nopago) & """)
```

```
        Set rs = cn.Execute("Delete from GASTOSPER_hEADER where numpag="" &  
Trim(Me.txt_nopago) & """)
```

```
        MsgBox "Eliminacion de pago " & Me.txt_nopago & " exitosa.", vbOKOnly +  
vbInformation
```

```
        Me.MSFlexGrid1.Clear
```

```
        Me.txt_comment = ""
```

```
        Me.txt_factura = ""
```

```

    Me.txt_montofact = ""
    Me.tst_fechafact = ""
    Me.cmb_tipogasto.Text = ""
    Me.txt_nopago = ""
    Me.txt_desde = ""
    Me.txt_hasta = ""
    Me.cmb_status = ""
    Me.cmb_usuario = ""
    cn.Close
End If
Case "cmd_imprimir":
    Load frm_preview_gastospersonal
    frm_preview_gastospersonal.Show
Case "cmd_salir":
    Unload Me
End Select

Exit Sub

error_busqueda:
Dim error As ADODB.error

For Each error In cn.Errors
    MsgBox "Error " & Str(error.Number) & ": " & error.Description, vbOKOnly +
vbCritical, "SGI"
Next

MsgBox "La factura no existe", vbOKOnly + vbInformation, "SGI"
cn.Close

End Sub

Private Function genera_numero_pago()
    Dim rs As New ADODB.Recordset

    Conectar cn

    Set rs = cn.Execute("Select count(numpag) as cuenta_cuantos From
GASTOSPER_HEADER")

    If rs!cuenta_cuantos = 0 Then
        Me.txt_nopago = "P00001"
    Else
        Set rs = cn.Execute("select max(numpag) as maximo1 from
GASTOSPER_HEADER")
        maximo2 = Mid(rs!maximo1, 2, 5)
    End If
End Function

```

```
maximo2 = Val(maximo2) + 1  
longitud = Len(maximo2)
```

```
Select Case longitud
```

```
Case Is = 1
```

```
Codigo_PAG = "P0000" & Trim(Str(maximo2))
```

```
Me.txt_nopago = Codigo_PAG
```

```
Case Is = 2
```

```
Codigo_PAG = "P000" & Trim(Str(maximo2))
```

```
Me.txt_nopago = Codigo_PAG
```

```
Case Is = 3
```

```
Codigo_PAG = "P00" & Trim(Str(maximo2))
```

```
Me.txt_nopago = Codigo_PAG
```

```
Case Is = 4
```

```
Codigo_PAG = "P0" & Trim(Str(maximo2))
```

```
Me.txt_nopago = Codigo_PAG
```

```
Case Is = 5
```

```
Codigo_PAG = "P" & Trim(Str(maximo2))
```

```
Me.txt_nopago = Codigo_PAG
```

```
Case Else
```

```
MsgBox "No hay mas codigos por dar, con Gerente de Tecnologia... :)"
```

```
End Select
```

```
End If
```

```
cn.Close
```

```
End Function
```

Formulario de Puestos

The screenshot shows a software application window titled "Info. Puestos". At the top, there is a menu bar with icons and labels: "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". Below the menu bar, there are three input fields: "Código Puesto" (text box), "Nombre" (text box), and "Departamento" (dropdown menu). Below these fields is a large empty rectangular area, possibly a table or a list view.

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Private Sub cmb_jobdepto_Click()
```

```
    Dim rs As New ADODB.Recordset
```

```
    Conectar cn
```

```
    'Me.txt_jobdepto = Me.cmb_jobdepto
```

```
    On Error GoTo rs_error
```

```
    Set rs = cn.Execute("Select coddepto From DEPARTAMENTOS Where  
departamento='" & Trim(Me.cmb_jobdepto) & "'")
```

```
    Me.Text1 = rs!coddepto
```

```
    cn.Close
```

```
Exit Sub
```

```
rs_error:
```

```
    MsgBox "Error"
```

```
End Sub
```

```
Private Sub Command1_Click()
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
    Iniciar_barra Me
```

```
End Sub
```

```
Private Sub tab_matrizjobs_DblClick()
```

```
Dim rs As ADODB.Recordset
```

```
Me.tab_matrizjobs.Row = Me.tab_matrizjobs.RowSel
```

```
Me.tab_matrizjobs.Col = 1
```

```
Conectar cn
```

```
Set rs = cn.Execute("SELECT a.*,b.departamento FROM puestos a,Departamentos b " & _  
"WHERE a.jobdepto=b.coddepto and a.jobcod = '" & _  
Trim(Me.tab_matrizjobs.Text) & "'")
```

```
Me.txt_jobcod = rs!jobcod
```

```
Me.txt_jobdesc = rs!jobdesc
```

```

Me.cmb_jobdepto = rs!departamento

cn.Close

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key
Case "cmd_nuevo":
    Limpiar
    Conectar cn

    Set rs = cn.Execute("Select * From DEPARTAMENTOS")
    Do While rs.EOF = False
        Me.cmb_jobdepto.AddItem rs!departamento
        rs.MoveNext
    Loop

    cn.Close
    Habilitar

    If Me.cmb_jobdepto.ListCount > 0 Then
        Me.cmb_jobdepto.ListIndex = 0
    End If
    Guardar_barra Me
    Call genera_codigo_job

Case "cmd_guardar":

    If Len(Trim(Me.txt_jobdesc.Text)) <= 0 Then
        MsgBox "Debe escribir un nombre", vbOKOnly + vbCritical, "SGI"
        Me.txt_jobdesc.SetFocus
        Exit Sub
    End If

    Conectar cn
    If Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar" Then
        Set rs = cn.Execute("Insert Into PUESTOS Values(" & _
            Trim(Me.txt_jobcod) & "," & _
            Trim(Me.txt_jobdesc) & "," & _
            Trim(Me.Text1) & ")")
        MsgBox "Puesto " & Me.txt_jobcod & " ingresado exitosamente.", vbOKOnly +
vbInformation
    Else

```

```

        respuesta = MsgBox("¿Esta seguro que actualizar el registro de puesto " &
Me.txt_jobcod & "?", vbYesNo + vbCritical)
        If respuesta = vbYes Then
            Set rs = cn.Execute("select * from departamentos where departamento=" &
Trim(Me.cmb_jobdepto) & """)
            deptoselected = rs!coddepto
            Set rs = cn.Execute("Update PUESTOS Set jobdesc = " & Trim(Me.txt_jobdesc)
& _
            ""jobdepto = " & Trim(deptoselected) & _
            "" Where jobcod = " & Trim(Me.txt_jobcod) & """)

            MsgBox "Puesto " & Me.txt_jobcod & " actualizado exitosamente.", vbOKOnly
+ vbInformation

            Set rs = cn.Execute("Select a.jobcod, a.jobdesc, b.departamento " & _
                "From PUESTOS a, DEPARTAMENTOS b " & _
                "Where a.jobdepto = b.coddepto and a.jobcod=" &
Trim(Me.txt_jobcod) & """)
            Me.txt_jobdesc = rs!jobdesc
            Me.cmb_jobdepto = rs!departamento
            Me.txt_jobdepto.Locked = True
            Me.txt_jobdesc.Locked = True
            Me.cmb_jobdepto.Enabled = False

            Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar"
        End If
    End If

    Me.tab_matrizjobs.Clear
    Me.tab_matrizjobs.Rows = 2
    Me.tab_matrizjobs.Cols = 4
    Me.tab_matrizjobs.FixedRows = 1
    Me.tab_matrizjobs.ColWidth(0) = Me.tab_matrizjobs.Width * 0.07

    Me.tab_matrizjobs.Col = 1
    Me.tab_matrizjobs.Row = 0
    Me.tab_matrizjobs.Text = "CODIGO"
    Me.tab_matrizjobs.ColWidth(1) = Me.tab_matrizjobs.Width * 0.15

    Me.tab_matrizjobs.Col = 2
    Me.tab_matrizjobs.Row = 0
    Me.tab_matrizjobs.Text = "PUESTO"
    Me.tab_matrizjobs.ColWidth(2) = Me.tab_matrizjobs.Width * 0.3

    Me.tab_matrizjobs.Col = 3
    Me.tab_matrizjobs.Row = 0
    Me.tab_matrizjobs.Text = "DEPARTAMENTO"

```

```

Me.tab_matrizjobs.ColWidth(3) = Me.tab_matrizjobs.Width * 0.3

Set rs = cn.Execute("Select a.jobcod, a.jobdesc, b.departamento " & _
    "From PUESTOS a, DEPARTAMENTOS b " & _
    "Where a.jobdepto = b.coddepto")

Do While rs.EOF = False
    Me.tab_matrizjobs.Row = Me.tab_matrizjobs.Row + 1
    Me.tab_matrizjobs.Col = 1
    Me.tab_matrizjobs.Text = rs!jobcod
    Me.tab_matrizjobs.Col = 2
    Me.tab_matrizjobs.Text = rs!jobdesc
    Me.tab_matrizjobs.Col = 3
    Me.tab_matrizjobs.Text = rs!departamento
    Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows + 1
    rs.MoveNext
Loop

cn.Close
Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows - 1
Me.cmb_jobdepto.Locked = True
Me.txt_jobdesc.Locked = True

Buscar_barra Me
Case "cmd_eliminar":
    respuesta = MsgBox("¿Esta seguro que desea eliminar el registro de puesto " &
Me.txt_jobcod & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then

        Conectar cn

        Set rs = cn.Execute("Delete From PUESTOS Where jobcod=" &
Trim(Me.txt_jobcod) & """)
        Me.txt_jobdepto = ""
        Me.txt_jobdesc = ""
        Me.txt_jobcod = ""
        Me.cmb_jobdepto = ""
        MsgBox "Departamento " & Me.txt_jobcod & " eliminado exitosamente.",
vbOKOnly + vbInformation

        Me.tab_matrizjobs.Clear
        Me.tab_matrizjobs.Rows = 2
        Me.tab_matrizjobs.Cols = 4
        Me.tab_matrizjobs.FixedRows = 1
        Me.tab_matrizjobs.ColWidth(0) = Me.tab_matrizjobs.Width * 0.04

        Me.tab_matrizjobs.Col = 1

```

```

Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "CODIGO"
Me.tab_matrizjobs.ColWidth(1) = Me.tab_matrizjobs.Width * 0.15

Me.tab_matrizjobs.Col = 2
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "PUESTO"
Me.tab_matrizjobs.ColWidth(2) = Me.tab_matrizjobs.Width * 0.3

Me.tab_matrizjobs.Col = 3
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "DEPARTAMENTO"
Me.tab_matrizjobs.ColWidth(3) = Me.tab_matrizjobs.Width * 0.3

Set rs = cn.Execute("Select a.jobcod, a.jobdesc, b.departamento " & _
                    "From PUESTOS a, DEPARTAMENTOS b " & _
                    "Where a.jobdepto = b.coddepto")

Do While rs.EOF = False
    Me.tab_matrizjobs.Row = Me.tab_matrizjobs.Row + 1
    Me.tab_matrizjobs.Col = 1
    Me.tab_matrizjobs.Text = rs!jobcod
    Me.tab_matrizjobs.Col = 2
    Me.tab_matrizjobs.Text = rs!jobdesc
    Me.tab_matrizjobs.Col = 3
    Me.tab_matrizjobs.Text = rs!departamento
    Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows - 1
End If
cn.Close
Iniciar_barra Me
Case "cmd_editar":
    Me.Toolbar1.Buttons("cmd_guardar").Caption = "Actualizar"
    Habilitar
    Guardar_barra Me
Case "cmd_buscar":
    searchstring = InputBox("Puesto a buscar:", "Busqueda")

Conectar cn

If searchstring <> "" Then
    'On Error GoTo error_busqueda:
    Set rs = cn.Execute("Select a.jobcod, a.jobdesc, b.departamento " & _
                        "From PUESTOS a, DEPARTAMENTOS b " & _
                        "Where a.jobdepto = b.coddepto AND " & _

```

```

                "a.jobdesc Like '%" & searchstring & "%")
Me.txt_jobcod = rs!jobcod
Me.txt_jobdesc = rs!jobdesc
Me.txt_jobdepto = rs!departamento

Me.tab_matrizjobs.Clear
Me.tab_matrizjobs.Rows = 2
Me.tab_matrizjobs.Cols = 4
Me.tab_matrizjobs.FixedRows = 1
Me.tab_matrizjobs.ColWidth(0) = Me.tab_matrizjobs.Width * 0.04

Me.tab_matrizjobs.Col = 1
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "CODIGO"
Me.tab_matrizjobs.ColWidth(1) = Me.tab_matrizjobs.Width * 0.15

Me.tab_matrizjobs.Col = 2
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "PUESTO"
Me.tab_matrizjobs.ColWidth(2) = Me.tab_matrizjobs.Width * 0.3

Me.tab_matrizjobs.Col = 3
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "DEPARTAMENTO"
Me.tab_matrizjobs.ColWidth(3) = Me.tab_matrizjobs.Width * 0.3

Do While rs.EOF = False
    Me.tab_matrizjobs.Row = Me.tab_matrizjobs.Row + 1
    Me.tab_matrizjobs.Col = 1
    Me.tab_matrizjobs.Text = rs!jobcod
    Me.tab_matrizjobs.Col = 2
    Me.tab_matrizjobs.Text = rs!jobdesc
    Me.tab_matrizjobs.Col = 3
    Me.tab_matrizjobs.Text = rs!departamento
    Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows - 1

Else
    Set rs = cn.Execute("Select a.jobcod, a.jobdesc, b.departamento " & _
        "From PUESTOS a, DEPARTAMENTOS b " & _
        "Where a.jobdepto = b.coddepto")
Me.tab_matrizjobs.Clear
Me.tab_matrizjobs.Rows = 2
Me.tab_matrizjobs.Cols = 4
Me.tab_matrizjobs.FixedRows = 1

```

```

Me.tab_matrizjobs.ColWidth(0) = Me.tab_matrizjobs.Width * 0.04

Me.tab_matrizjobs.Col = 1
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "CODIGO"
Me.tab_matrizjobs.ColWidth(1) = Me.tab_matrizjobs.Width * 0.15

Me.tab_matrizjobs.Col = 2
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "PUESTO"
Me.tab_matrizjobs.ColWidth(2) = Me.tab_matrizjobs.Width * 0.3

Me.tab_matrizjobs.Col = 3
Me.tab_matrizjobs.Row = 0
Me.tab_matrizjobs.Text = "DEPARTAMENTO"
Me.tab_matrizjobs.ColWidth(3) = Me.tab_matrizjobs.Width * 0.3

Do While rs.EOF = False
    Me.tab_matrizjobs.Row = Me.tab_matrizjobs.Row + 1
    Me.tab_matrizjobs.Col = 1
    Me.tab_matrizjobs.Text = rs!jobcod
    Me.tab_matrizjobs.Col = 2
    Me.tab_matrizjobs.Text = rs!jobdesc
    Me.tab_matrizjobs.Col = 3
    Me.tab_matrizjobs.Text = rs!departamento
    Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizjobs.Rows = Me.tab_matrizjobs.Rows - 1
End If

cn.Close
Buscar_barra Me
Case "cmd_salir":
    Unload Me
End Select

'Exit Sub

'error_búsqueda:
' MsgBox "No se encuentra ningun registro."
' cn.Close
End Sub

Private Function genera_codigo_job()
    Dim rs As New ADODB.Recordset

```

```

Conectar cn
Set rs = cn.Execute("Select Count(jobcod) as cuenta_cuantos From PUESTOS")

If rs!cuenta_cuantos = 0 Then
    Me.txt_jobcod = "JOB001"
Else
    Set rs = cn.Execute("Select Max(jobcod) as maximo1 From PUESTOS")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)

    Select Case longitud
        Case Is = 1
            Codigo_dep = "JOB00" & Trim(Str(maximo2))
            Me.txt_jobcod = Codigo_dep
        Case Is = 2
            Codigo_dep = "JOB0" & Trim(Str(maximo2))
            Me.txt_jobcod = Codigo_dep
        Case Is = 3
            Codigo_dep = "JOB" & Trim(Str(maximo2))
            Me.txt_jobcod = Codigo_dep
        Case Else
            MsgBox "Ya la regaste, ya no hay espacio... :)"
    End Select
End If
cn.Close
End Function

Public Sub Habilitar()
    Me.txt_jobdepto.Locked = False
    Me.txt_jobdesc.Locked = False
    Me.cmb_jobdepto.Enabled = True
    Me.tab_matrizjobs.Enabled = True
End Sub

Public Sub Deshabilitar()
    Me.txt_jobcod.Locked = True
    Me.txt_jobdepto.Locked = True
    Me.txt_jobdesc.Locked = True
    Me.cmb_jobdepto.Enabled = False
    Me.tab_matrizjobs.Enabled = False
End Sub

Public Sub Limpiar()
    Me.txt_jobdepto.Text = ""
    Me.txt_jobdesc.Text = ""
    Me.cmb_jobdepto.Clear

```

```
Me.tab_matrizjobs.Clear  
End Sub
```

Formulario de Departamentos

The screenshot shows a Microsoft Access form titled "Info. Departamento". At the top, there is a menu bar with icons for "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". Below the menu bar, the form contains two text boxes: "Código Departamento" and "Nombre". Below these text boxes is a large empty rectangular area, possibly a table or a list box.

Codigo Fuente

```
Dim cn As New ADODB.Connection  
Private Function genera_codigo_dep()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select Count(coddepto) as cuenta_cuantos From  
DEPARTAMENTOS")
```

```
If rs!cuenta_cuantos = 0 Then  
Me.txt_coddep = "DEP001"
```

```
Else
```

```
Set rs = cn.Execute("Select Max(coddepto) as maximo1 From DEPARTAMENTOS")
```

```
maximo2 = Mid(rs!maximo1, 4, 3)
```

```
maximo2 = Val(maximo2) + 1
```

```
longitud = Len(maximo2)
```

```
Select Case longitud
```

```
Case Is = 1
```

```

        Codigo_dep = "DEP00" & Trim(Str(maximo2))
        Me.txt_coddep = Codigo_dep
    Case Is = 2
        Codigo_dep = "DEP0" & Trim(Str(maximo2))
        Me.txt_coddep = Codigo_dep
    Case Is = 3
        Codigo_dep = "DEP" & Trim(Str(maximo2))
        Me.txt_coddep = Codigo_dep
    Case Else
        MsgBox "Ya la regaste, ya no hay espacio... :)"
    End Select
End If
cn.Close

End Function

Private Sub cmb_nomdep_Change()

End Sub

Private Sub Command1_Click()

Conectar cn

rep_deptos.Database.AddADOCCommand cn, "Select * From DEPARAMENTOS Where
coddepto=" & Trim(Me.txt_coddep) & """"

cn.Close

End Sub

Private Sub tab_matrizdep_Db1Click()

Dim rs As ADODB.Recordset

Me.tab_matrizdep.Row = Me.tab_matrizdep.RowSel
Me.tab_matrizdep.Col = 1

Conectar cn

Set rs = cn.Execute("select * from departamentos where coddepto=" &
Trim(Me.tab_matrizdep.Text) & """"")
Me.txt_coddep = rs!coddepto
Me.txt_nomdep = rs!departamento

```

cn.Close

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Dim fecha As String

Select Case Button.Key

Case "cmd_nuevo":

Me.txt_nomdep.Locked = False

Call genera_codigo_dep

Case "cmd_guardar":

fecha = Date

If Me.Toolbar1.Buttons(2).Caption = "Guardar" Then

Conectar cn

Set rs = cn.Execute("Insert Into DEPARTAMENTOS Values('" &
Trim(Me.txt_coddep) & "','" & Trim(Me.txt_nomdep) & "','" & Trim(Usuario) & "','" &
fecha & "'")

MsgBox "Departamento " & Me.txt_coddep & " ingresado exitosamente.",
vbOKOnly + vbInformation

cn.Close

ElseIf Me.Toolbar1.Buttons(2).Caption = "Actualizar" Then

respuesta = MsgBox("¿Esta seguro que actualizar el registro de departamento " &
Me.txt_coddep & "?", vbYesNo + vbCritical)

If respuesta = vbYes Then

Conectar cn

Set rs = cn.Execute("Update DEPARTAMENTOS Set departamento='" &
Trim(Me.txt_nomdep) & "' Where coddepto='" & Trim(Me.txt_coddep) & "'")

MsgBox "Departamento " & Me.txt_coddep & " actualizado exitosamente.",
vbOKOnly + vbInformation

Set rs = cn.Execute("Select * From DEPARTAMENTOS Where coddepto='" &
Trim(Me.txt_coddep) & "'")

Me.txt_nomdep = rs!departamento

Me.txt_nomdep.Locked = True

cn.Close

End If

bandera = False

End If

Conectar cn

Me.tab_matrizdep.Clear

Me.tab_matrizdep.Rows = 2

Me.tab_matrizdep.Cols = 3

Me.tab_matrizdep.FixedRows = 1

Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.07

```

Me.tab_matrizdep.Col = 1
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "CODIGO"
Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.15

Me.tab_matrizdep.Col = 2
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "DEPARTAMENTO"
Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.7

Set rs = cn.Execute("Select * From DEPARTAMENTOS")

Do While rs.EOF = False
    Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1
    Me.tab_matrizdep.Col = 1
    Me.tab_matrizdep.Text = rs!coddepto
    Me.tab_matrizdep.Col = 2
    Me.tab_matrizdep.Text = rs!departamento
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
cn.Close
Case "cmd_eliminar":
    Conectar cn
    respuesta = MsgBox("¿Esta seguro que desea eliminar el registro de departamento " &
Me.txt_coddep & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then
        Set rs = cn.Execute("Delete From DEPARTAMENTOS Where CODDEPTO=" &
Trim(Me.txt_coddep) & """)
        Me.txt_coddep = ""
        Me.txt_nomdep = ""
        MsgBox "Departamento " & Me.txt_coddep & " eliminado exitosamente.",
vbOKOnly + vbInformation

Me.tab_matrizdep.Clear
Me.tab_matrizdep.Rows = 2
Me.tab_matrizdep.Cols = 3
Me.tab_matrizdep.FixedRows = 1
Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.07

Me.tab_matrizdep.Col = 1
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "CODIGO"
Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.15

```

```

Me.tab_matrizdep.Col = 2
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "DEPARTAMENTO"
Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.7

Set rs = cn.Execute("Select * From DEPARTAMENTOS")

Do While rs.EOF = False
    Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1
    Me.tab_matrizdep.Col = 1
    Me.tab_matrizdep.Text = rs!coddepto
    Me.tab_matrizdep.Col = 2
    Me.tab_matrizdep.Text = rs!departamento
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
End If
cn.Close
Case "cmd_editar":
    Me.Toolbar1.Buttons(2).Caption = "Actualizar"
    Me.txt_nomdep.Locked = False
Case "cmd_buscar":
    Conectar cn
    searchstring = InputBox("Departamento a buscar:", "Busqueda")
    If searchstring <> "" Then
        'On Error GoTo error_busqueda:
        Set rs = cn.Execute("Select * From DEPARTAMENTOS Where departamento Like
'%" & searchstring & "%")
        Me.txt_coddep = rs!coddepto
        Me.txt_nomdep = rs!departamento
    Else
        Set rs = cn.Execute("Select * From DEPARTAMENTOS")
    End If

Me.tab_matrizdep.Clear
Me.tab_matrizdep.Rows = 2
Me.tab_matrizdep.Cols = 3
Me.tab_matrizdep.FixedRows = 1
Me.tab_matrizdep.ColWidth(0) = Me.tab_matrizdep.Width * 0.07

Me.tab_matrizdep.Col = 1
Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "CODIGO"
Me.tab_matrizdep.ColWidth(1) = Me.tab_matrizdep.Width * 0.15

Me.tab_matrizdep.Col = 2

```

```

Me.tab_matrizdep.Row = 0
Me.tab_matrizdep.Text = "DEPARTAMENTO"
Me.tab_matrizdep.ColWidth(2) = Me.tab_matrizdep.Width * 0.7

Do While rs.EOF = False
    Me.tab_matrizdep.Row = Me.tab_matrizdep.Row + 1
    Me.tab_matrizdep.Col = 1
    Me.tab_matrizdep.Text = rs!coddepto
    Me.tab_matrizdep.Col = 2
    Me.tab_matrizdep.Text = rs!departamento
    Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizdep.Rows = Me.tab_matrizdep.Rows - 1
cn.Close
Case "cmd_imprimir":
    Load frm_preview_deptos
    frm_preview_deptos.Show
Case "cmd_salir":
    Unload Me
End Select

Exit Sub

error_busqueda:
MsgBox "No se encuentra ningun registro."
cn.Close

End Sub

```

Formulario de Hardware

The screenshot shows a software application window titled "Formulario de Hardware". At the top, there is a menu bar with icons and labels: "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". The main content area is divided into two sections. The left section, titled "Articulos", contains several input fields: "Nº de Serie", "Equipo", "Descripción", "Fabricante", "Proveedor", "Fecha Compra", and "Ultima Reparación". The right section, titled "Historial Reparaciones", contains a group box with "Status" and "User" fields, and another group box with "Recepcion", "Garantia", and "Vencimiento" fields. At the bottom of the "Articulos" section is a large "Comentarios" text area.

Codigo Fuente

```
Dim cn As New ADODB.Connection  
Dim botonguardar As Boolean
```

```
Private Sub cmb_fab_Click()
```

```
Me.txt_fab = Me.cmb_fab
```

```
End Sub
```

```
Private Sub cmb_prov_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Me.txt_prov = Me.cmb_prov
```

```
End Sub
```

```
Private Sub cmb_recepcion_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```

Set rs = cn.Execute("select count(*) as siesta from compra_det where compno=" &
Trim(Me.cmb_recepcion) & "" and equcod=" & Trim(Me.txt_equipo) & """)

If rs!siesta = 0 Then
    MsgBox "Este equipo no fue recepcionado en dicha compra.", vbInformation +
vbOKOnly
Else
    Set rs = cn.Execute("select b.compfec,c.descripcion from compra_det a,compra_header
b,codigos c where a.warrantycod=c.idcodigo and a.compno=b.compno and a.compno=" &
Trim(Me.cmb_recepcion) & """)
    intervalo = Val(rs!descripcion)
    vigencia_hasta = DateAdd("m", intervalo, rs!compfec)
    If Date <= vigencia_hasta Then
        Me.txt_garantia = "Garantia Vigente"
        Me.txt_vencimiento = vigencia_hasta
    Else
        Me.txt_garantia = "Garantia Expiro"
    End If
End If

cn.Close

End Sub

Private Sub cmb_status_Click()

Me.txt_status = Me.cmb_status

End Sub

Private Sub cmd_search_Click()

Load frm_searchitems
frm_searchitems.Show

End Sub

Private Sub Command1_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select count(distinct CodCategoria)as Cuenta From
REPARACIONES Where noserie=" & Trim(Me.txt_noserie) & """)

```

```

Cuantas_Leyendas = rs!cuenta
Set rs = Nothing

Me.MSChart1.ColumnCount = Cuantas_Leyendas

Set rs = cn.Execute("Select B.Categoria as Categoria,count(A.CodCategoria) as Cuenta2
From REPARACIONES A, CATEGORIAS B Where A.CodCategoria=B.CodCategoria
and noserie="" & Trim(Me.txt_noserie) & ""Group By B.Categoria")

For i = 1 To Cuantas_Leyendas
    Me.MSChart1.Column = i
    Me.MSChart1.ColumnLabel = rs!categoria
    Me.MSChart1.Data = rs!cuenta2
    rs.MoveNext
Next i

cn.Close

End Sub

Private Sub Command2_Click()

Me.MSChart1.chartType = VtChChartType3dBar

End Sub

Private Sub Form_Load()

Me.txt_usuario = usuario_conectado

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key
    Case "cmd_nuevo":
        botonguardar = True
        Me.txt_noserie.Locked = False
        Me.txt_barra.Locked = False
        Me.txt_descri.Locked = False
        Me.cmb_fab.Enabled = True
        Me.cmd_search.Enabled = True
        Me.cmb_prov.Enabled = True
        Me.txt_feccompra.Locked = False

```

```

Me.txt_rep.Locked = False
Me.txt_comments.Locked = False
Me.cmb_status.Enabled = True
Me.txt_usuario = Usuario
Conectar cn
Me.cmb_prov.Clear
Set rs = cn.Execute("Select * From PROVEEDORES")
Do While rs.EOF = False
    Me.cmb_prov.AddItem rs!vdrnom
    rs.MoveNext
Loop
cn.Close
Conectar cn
Me.cmb_fab.Clear
Set rs = cn.Execute("Select * From FABRICANTES")
Do While rs.EOF = False
    Me.cmb_fab.AddItem rs!fabnom
    rs.MoveNext
Loop
cn.Close
Me.cmb_status.Clear
Me.cmb_status.AddItem "Activo"
Me.cmb_status.AddItem "Fuera de Servicio"
Case "cmd_guardar"
    If botonguardar = True Then
        Conectar cn
        Set rs = cn.Execute("Select * From PROVEEDORES Where vdrnom=" &
Trim(Me.txt_prov) & """)
        proveedor = rs!vdrcod
        cn.Close
        Conectar cn
        Set rs = cn.Execute("Select * From FABRICANTES Where fabnom=" &
Trim(Me.txt_fab) & """)
        Fabricante = rs!fabcod
        cn.Close
        If Me.txt_status = "Activo" Then
            Status = 1
        ElseIf Me.txt_status = "Fuera de Servicio" Then
            Status = 2
        End If
        Conectar cn
        Set rs = cn.Execute("Insert Into HARDWARE values(" & Trim(Me.txt_noserie) &
", " & _
        "" & Trim(Me.txt_equipo) & ", " & _
        "" & Trim(Me.txt_descri) & ", " & _
        "" & Trim(Fabricante) & ", " & _
        "" & Trim(proveedor) & ", " & _

```

```

        "" & Trim(Me.txt_feccompra) & ", " & _
        "" & Trim(Me.txt_rep) & ", " & _
        "" & Trim(Me.txt_comments) & ", " & _
        "" & Trim(Status) & ", " & _
        "" & Trim(Usuario) & ", " & _
Trim(Me.cmb_recepcion) & ""))
    cn.Close
    MsgBox "Articulo " & Me.txt_noserie & " ingresado exitosamente.", vbOKOnly +
vbInformation
    Me.txt_noserie.Locked = True
    Me.txt_barra.Locked = True
    Me.txt_descri.Locked = True
    Me.cmb_fab.Enabled = False
    Me.cmd_search.Enabled = False
    Me.cmb_prov.Enabled = False
    Me.txt_feccompra.Locked = True
    Me.txt_rep.Locked = True
    Me.txt_comments.Locked = True
    Me.cmb_status.Enabled = False
    Me.txt_equipo.Locked = True
    Me.txt_fab.Locked = True
    ElseIf botonguardar = False Then
        Conectar cn
        Set rs = cn.Execute("Select * From PROVEEDORES Where vdrnom="" &
Trim(Me.txt_prov) & """)
        proveedor = rs!vdrcod

        Set rs = cn.Execute("Select * From FABRICANTES Where fabnom="" &
Trim(Me.txt_fab) & """)
        Fabricante = rs!fabcod

    If Me.txt_status = "Activo" Then
        Status = 1
    ElseIf Me.txt_status = "Fuera de Servicio" Then
        Status = 2
    End If

    Set rs = cn.Execute("Update hardware set equcod="" & Trim(Me.txt_equipo) & ", "
& _
        "descripcion="" & Trim(Me.txt_descri) & ", " & _
        "fabcod="" & Trim(Fabricante) & ", " & _
        "vdrcod="" & Trim(proveedor) & ", " & _
        "comments="" & Trim(Me.txt_comments) & ", " & _
        "status="" & Trim(Status) & ", " & _
        "usercod="" & Trim(Usuario) & "" where noserie="" &
Trim(Me.txt_noserie) & """)

```

```
MsgBox "Articulo " & Me.txt_noserie & " actualizado exitosamente.", vbOKOnly +  
vbInformation
```

```
Me.txt_noserie.Locked = True  
Me.txt_barra.Locked = True  
Me.txt_descri.Locked = True  
Me.cmb_fab.Enabled = False  
Me.cmd_search.Enabled = False  
Me.cmb_prov.Enabled = False  
Me.txt_feccompra.Locked = True  
Me.txt_rep.Locked = True  
Me.txt_comments.Locked = True  
Me.cmb_status.Enabled = False  
Me.txt_equipo.Locked = True  
Me.txt_fab.Locked = True
```

```
cn.Close
```

```
End If
```

```
Case "cmd_editar"
```

```
Me.cmb_recepcion.Enabled = True  
botonguardar = False  
Me.txt_noserie.Locked = False  
Me.txt_barra.Locked = False  
Me.txt_descri.Locked = False  
Me.cmb_fab.Enabled = True  
Me.cmd_search.Enabled = True  
Me.cmb_prov.Enabled = True  
Me.txt_feccompra.Locked = False  
Me.txt_rep.Locked = False  
Me.txt_comments.Locked = False  
Me.cmb_status.Enabled = True  
Me.txt_equipo.Locked = False  
Me.txt_fab.Locked = False
```

```
Conectar cn
```

```
Me.cmb_prov.Clear
```

```
Set rs = cn.Execute("Select * From PROVEEDORES")
```

```
Do While rs.EOF = False
```

```
    Me.cmb_prov.AddItem rs!vdrnom
```

```
    rs.MoveNext
```

```
Loop
```

```
cn.Close
```

```
Conectar cn
```

```
Me.cmb_fab.Clear
```

```
Set rs = cn.Execute("Select * From FABRICANTES")
```

```
Do While rs.EOF = False
```

```
    Me.cmb_fab.AddItem rs!fabnom
```

```

    rs.MoveNext
Loop
cn.Close

Conectar cn
Me.cmb_recepcion.Clear
Set rs = cn.Execute("Select * From compra_header")
Do While rs.EOF = False
    Me.cmb_recepcion.AddItem rs!compno
    rs.MoveNext
Loop
cn.Close

Me.cmb_status.Clear
Me.cmb_status.AddItem "Activo"
Me.cmb_status.AddItem "Fuera de Servicio"
Case "cmd_buscar"
    serie = InputBox("No. de serie:")
    Conectar cn
    Set rs = cn.Execute("Select a.*,b.vdrnom,c.fabnom From HARDWARE a,proveedores
b,fabricantes c Where NOSERIE='" & Trim(serie) & "' and a.vdrcod=b.vdrcod and
a.fabcod=c.fabcod")
    Me.SSTab1.tab = 0
    If rs!Status = "1" Then
        Me.txt_status = "Activo"
    ElseIf rs!status = "2" Then
        Me.txt_status = "Fuera de Servicio"
    End If

Me.txt_noserie = rs!noserie
Me.txt_barra = rs!BARRA
Me.txt_descri = rs!descripcion
Me.txt_feccompra = rs!feccompra
Me.txt_comments = rs!Comments
Me.txt_equipo = rs!equcod
Me.txt_rep = rs!ultrep
Me.txt_fab = rs!fabnom
Me.txt_prov = rs!vdrnom
Me.txt_usuario = rs!usercod
Me.txt_noserie.Locked = True
Me.txt_barra.Locked = True
Me.txt_descri.Locked = True
Me.cmb_fab.Enabled = False
Me.cmd_search.Enabled = False
Me.cmb_prov.Enabled = False
Me.txt_feccompra.Locked = True
Me.txt_rep.Locked = True

```

```
Me.txt_comments.Locked = True
Me.cmb_status.Enabled = False
Me.txt_equipo.Locked = True
Me.txt_fab.Locked = True
```

On Error GoTo errores:

```
Set rs = cn.Execute("select b.compno,b.compfec,c.descripcion from compra_det
a,compra_header b,codigos c,hardware d where d.compno=b.compno and
a.warrantycod=c.idcodigo and a.compno=b.compno and d.noserie="" &
Trim(Me.txt_noserie) & """)
```

```
intervalo = Val(rs!descripcion)
Me.cmb_recepcion = rs!compno
vigencia_hasta = DateAdd("m", intervalo, rs!compfec)
If Date <= vigencia_hasta Then
    Me.txt_garantia = "Garantia Vigente"
    Me.txt_vencimiento = vigencia_hasta
Else
    Me.txt_garantia = "Garantia Expiro"
End If
```

```
Set rs = Nothing
Set rs = cn.Execute("Select count(distinct CodCategoria)as Cuenta From
REPARACIONES Where NOSERIE="" & Trim(serie) & """)
Cuantas_Leyendas = rs!cuenta
Set rs = Nothing
```

errores:

```
Me.MSChart1.ColumnCount = Cuantas_Leyendas
```

```
Set rs = cn.Execute("Select B.Categoria as Categoria,count(A.CodCategoria) as
Cuenta2 From REPARACIONES A, CATEGORIAS B Where A.NOSERIE="" &
Trim(serie) & "" and A.CodCategoria=B.CodCategoria Group By B.Categoria")
```

```
For i = 1 To Cuantas_Leyendas
    Me.MSChart1.Column = i
    Me.MSChart1.ColumnLabel = rs!categoria
    Me.MSChart1.Data = rs!cuenta2
    rs.MoveNext
Next i
```

```
cn.Close
Case "cmd_eliminar"
    verifiaelimina = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +
vbYesNo)
    Conectar cn
    If verifiaelimina = vbYes Then
```

```

        Set rs = cn.Execute("delete from hardware where noserie=" &
Trim(Me.txt_noserie) & "")
        MsgBox "Registro eliminado exitosamente", vbInformation + vbOKOnly
        Me.txt_noserie.Locked = True
        Me.txt_barra.Locked = True
        Me.txt_descri.Locked = True
        Me.cmb_fab.Enabled = False
        Me.cmd_search.Enabled = False
        Me.cmb_prov.Enabled = False
        Me.txt_feccompra.Locked = True
        Me.txt_rep.Locked = True
        Me.txt_comments.Locked = True
        Me.cmb_status.Enabled = False
        Me.txt_equipo.Locked = True
        Me.txt_fab.Locked = True
        '-----
        Me.txt_noserie = ""
        Me.txt_barra = ""
        Me.txt_descri = ""
        Me.cmb_fab = ""
        Me.cmd_search = ""
        Me.cmb_prov = ""
        Me.txt_feccompra = ""
        Me.txt_rep = ""
        Me.txt_comments = ""
        Me.cmb_status = ""
        Me.txt_equipo = ""
        Me.txt_fab = ""
        Me.MSChart1.Refresh
    End If
    cn.Close
    Case "cmd_salir"
        Unload Me
End Select

End Sub

Private Sub txt_escondido_Change()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select * From EQUIPOS Where equcod=" &
Trim(Me.txt_escondido) & "")
Me.txt_equipo = rs!equcod
Me.txt_descri = rs!equdesc

```

```
Me.txt_barra = rs!equbarra
```

```
cn.Close
```

```
End Sub
```

Formulario de Fabricantes

The screenshot shows a web form titled "Fabricantes" with a menu bar at the top containing icons and labels for "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". The form contains three input fields: "ID Fabricante", "Nombre", and "Sitio Web". Below these fields is a table with two columns and two rows, and a large empty rectangular area below the table.

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Private Sub tab_fab_Db1Click()
```

```
Dim rs As ADODB.Recordset
```

```
Me.tab_fab.Row = Me.tab_fab.RowSel
```

```
Me.tab_fab.Col = 1
```

```
Conectar cn
```

```
Set rs = cn.Execute("select * from fabricantes where fabcod='" & Trim(Me.tab_fab.Text) & """)
```

```
Me.txt_idfab = rs!fabcod
```

```
Me.txt_fab = rs!fabnom
```

```
Me.txt_url = rs!faburl
```

```
cn.Close
```

```
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
```

```
Dim rs As New ADODB.Recordset
```

```
Select Case Button.Key
```

```
Case "cmd_nuevo":
```

```
Me.txt_fab.Locked = False
```

```
Me.txt_url.Locked = False
```

```
Me.txt_idfab = ""
```

```
Me.txt_fab = ""
```

```
Me.txt_url = ""
```

```
Call genera_codigo_fab
```

```
Case "cmd_guardar":
```

```
If Me.Toolbar1.Buttons(2).Caption = "Guardar" Then
```

```
Conectar cn
```

```
Set rs = cn.Execute("Insert Into FABRICANTES Values('" & Trim(Me.txt_idfab) & ", '" & Trim(Me.txt_fab) & "', '" & Trim(Me.txt_url) & "')")
```

```
MsgBox "Fabricante " & Me.txt_idfab & " ingresado exitosamente", vbOKOnly + vbInformation
```

```
Me.txt_fab.Locked = True
```

```
Me.txt_url.Locked = True
```

```
Me.tab_fab.Clear
```

```
Me.tab_fab.Rows = 2
```

```
Me.tab_fab.Cols = 4
```

```
Me.tab_fab.FixedRows = 1
```

```
Me.tab_fab.ColWidth(0) = Me.tab_fab.Width * 0.07
```

```
Me.tab_fab.Col = 1
```

```
Me.tab_fab.Row = 0
```

```
Me.tab_fab.Text = "CODIGO"
```

```
Me.tab_fab.ColWidth(1) = Me.tab_fab.Width * 0.15
```

```
Me.tab_fab.Col = 2
```

```
Me.tab_fab.Row = 0
```

```
Me.tab_fab.Text = "FABRICANTE"
```

```
Me.tab_fab.ColWidth(2) = Me.tab_fab.Width * 0.3
```

```
Me.tab_fab.Col = 3
```

```
Me.tab_fab.Row = 0
```

```
Me.tab_fab.Text = "URL"
```

```
Me.tab_fab.ColWidth(3) = Me.tab_fab.Width * 0.3
```

```

Set rs = cn.Execute("Select * From FABRICANTES")

Do While rs.EOF = False
    Me.tab_fab.Row = Me.tab_fab.Row + 1
    Me.tab_fab.Col = 1
    Me.tab_fab.Text = rs!fabcod
    Me.tab_fab.Col = 2
    Me.tab_fab.Text = rs!fabnom
    Me.tab_fab.Col = 3
    Me.tab_fab.Text = rs!faburl
    Me.tab_fab.Rows = Me.tab_fab.Rows + 1
    rs.MoveNext
Loop
Me.tab_fab.Rows = Me.tab_fab.Rows - 1
cn.Close
ElseIf Me.Toolbar1.Buttons(2).Caption = "Actualizar" Then
    respuesta = MsgBox("¿Esta seguro que actualizar el registro de fabricante " &
Me.txt_idfab & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Update FABRICANTES Set fabnom='" & Trim(Me.txt_fab)
& "',faburl='" & Trim(Me.txt_url) & "' Where fabcod='" & Trim(Me.txt_idfab) & "'")
        MsgBox "Fabricante " & Me.txt_idfab & " actualizado exitosamente.",
vbOKOnly + vbInformation
        Me.txt_fab.Locked = True
        Me.txt_url.Locked = True
        Set rs = cn.Execute("Select * From FABRICANTES Where fabcod='" &
Trim(Me.txt_idfab) & "'")
        Me.txt_fab = rs!fabnom
        Me.txt_url = rs!faburl

        Me.tab_fab.Clear
        Me.tab_fab.Rows = 2
        Me.tab_fab.Cols = 4
        Me.tab_fab.FixedRows = 1
        Me.tab_fab.ColWidth(0) = Me.tab_fab.Width * 0.07

        Me.tab_fab.Col = 1
        Me.tab_fab.Row = 0
        Me.tab_fab.Text = "CODIGO"
        Me.tab_fab.ColWidth(1) = Me.tab_fab.Width * 0.15

        Me.tab_fab.Col = 2
        Me.tab_fab.Row = 0
        Me.tab_fab.Text = "FABRICANTE"
        Me.tab_fab.ColWidth(2) = Me.tab_fab.Width * 0.3

```

```

Me.tab_fab.Col = 3
Me.tab_fab.Row = 0
Me.tab_fab.Text = "URL"
Me.tab_fab.ColWidth(3) = Me.tab_fab.Width * 0.3

Set rs = cn.Execute("Select * From FABRICANTES")

Do While rs.EOF = False
    Me.tab_fab.Row = Me.tab_fab.Row + 1
    Me.tab_fab.Col = 1
    Me.tab_fab.Text = rs!fabcod
    Me.tab_fab.Col = 2
    Me.tab_fab.Text = rs!fabnom
    Me.tab_fab.Col = 3
    Me.tab_fab.Text = rs!faburl
    Me.tab_fab.Rows = Me.tab_fab.Rows + 1
    rs.MoveNext
Loop
Me.tab_fab.Rows = Me.tab_fab.Rows - 1
cn.Close
End If
End If
Case "cmd_editar":
    Me.Toolbar1.Buttons(2).Caption = "Actualizar"
    Me.txt_fab.Locked = False
    Me.txt_url.Locked = False
Case "cmd_eliminar":
    respuesta = MsgBox("¿Esta seguro que desea eliminar el registro de fabricante " &
Me.txt_idfab & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Delete From FABRICANTES Where fabcod=" &
Trim(Me.txt_idfab) & """)
        Me.txt_fab.Locked = True
        Me.txt_url.Locked = True
        Me.txt_fab = ""
        Me.txt_url = ""
        Me.txt_idfab = ""

Me.tab_fab.Clear
Me.tab_fab.Rows = 2
Me.tab_fab.Cols = 4
Me.tab_fab.FixedRows = 1
Me.tab_fab.ColWidth(0) = Me.tab_fab.Width * 0.07

Me.tab_fab.Col = 1
Me.tab_fab.Row = 0

```

```

Me.tab_fab.Text = "CODIGO"
Me.tab_fab.ColWidth(1) = Me.tab_fab.Width * 0.15

Me.tab_fab.Col = 2
Me.tab_fab.Row = 0
Me.tab_fab.Text = "FABRICANTE"
Me.tab_fab.ColWidth(2) = Me.tab_fab.Width * 0.3

Me.tab_fab.Col = 3
Me.tab_fab.Row = 0
Me.tab_fab.Text = "URL"
Me.tab_fab.ColWidth(3) = Me.tab_fab.Width * 0.3

Set rs = cn.Execute("Select * From FABRICANTES")

Do While rs.EOF = False
    Me.tab_fab.Row = Me.tab_fab.Row + 1
    Me.tab_fab.Col = 1
    Me.tab_fab.Text = rs!fabcod
    Me.tab_fab.Col = 2
    Me.tab_fab.Text = rs!fabnom
    Me.tab_fab.Col = 3
    Me.tab_fab.Text = rs!faburl
    Me.tab_fab.Rows = Me.tab_fab.Rows + 1
    rs.MoveNext
Loop
Me.tab_fab.Rows = Me.tab_fab.Rows - 1
End If
cn.Close
Case "cmd_buscar":
    Conectar cn
    searchstring = InputBox("Fabricante a buscar:", "Busqueda")
    If searchstring <> "" Then
        On Error GoTo error_busqueda:
        Set rs = cn.Execute("Select * From FABRICANTES Where fabnom Like '%" &
searchstring & "%'")
        Me.txt_fab.Locked = True
        Me.txt_url.Locked = True
        Me.txt_idfab = rs!fabcod
        Me.txt_fab = rs!fabnom
        Me.txt_url = rs!faburl
    Else
        Set rs = cn.Execute("Select * From FABRICANTES")
        Me.txt_fab.Locked = True
        Me.txt_url.Locked = True
        Me.txt_fab = ""
        Me.txt_url = ""
    End If
End Case

```

```

Me.txt_idfab = ""

Me.tab_fab.Clear
Me.tab_fab.Rows = 2
Me.tab_fab.Cols = 4
Me.tab_fab.FixedRows = 1
Me.tab_fab.ColWidth(0) = Me.tab_fab.Width * 0.07

Me.tab_fab.Col = 1
Me.tab_fab.Row = 0
Me.tab_fab.Text = "CODIGO"
Me.tab_fab.ColWidth(1) = Me.tab_fab.Width * 0.15

Me.tab_fab.Col = 2
Me.tab_fab.Row = 0
Me.tab_fab.Text = "FABRICANTE"
Me.tab_fab.ColWidth(2) = Me.tab_fab.Width * 0.3

Me.tab_fab.Col = 3
Me.tab_fab.Row = 0
Me.tab_fab.Text = "URL"
Me.tab_fab.ColWidth(3) = Me.tab_fab.Width * 0.3

Do While rs.EOF = False
    Me.tab_fab.Row = Me.tab_fab.Row + 1
    Me.tab_fab.Col = 1
    Me.tab_fab.Text = rs!fabcod
    Me.tab_fab.Col = 2
    Me.tab_fab.Text = rs!fabnom
    Me.tab_fab.Col = 3
    Me.tab_fab.Text = rs!faburl
    Me.tab_fab.Rows = Me.tab_fab.Rows + 1
    rs.MoveNext
Loop
Me.tab_fab.Rows = Me.tab_fab.Rows - 1
End If
cn.Close
Case "cmd_salir":
    Unload Me
End Select

Exit Sub

error_busqueda:
Dim error As ADODB.error

For Each error In cn.Errors

```

```

    MsgBox "Error " & Str(error.Number) & ": " & error.Description, vbOKOnly +
vbCritical, "SGI"
Next

MsgBox "La fabricante no existe", vbOKOnly + vbInformation, "SGI"
cn.Close

End Sub

Private Function genera_codigo_fab()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select count(fabcod) as cuenta_cuantos From FABRICANTES")

If rs!cuenta_cuantos = 0 Then
    Me.txt_idfab = "FAB001"
Else
    Set rs = cn.Execute("select max(fabcod) as maximo1 from FABRICANTES")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)
    Select Case longitud
        Case Is = 1
            Codigo_FAB = "FAB00" & Trim(Str(maximo2))
            Me.txt_idfab = Codigo_FAB
        Case Is = 2
            Codigo_FAB = "FAB0" & Trim(Str(maximo2))
            Me.txt_idfab = Codigo_FAB
        Case Is = 3
            Codigo_FAB = "FAB" & Trim(Str(maximo2))
            Me.txt_idfab = Codigo_FAB
        Case Else
            MsgBox "Ya no hay codigos por dar, contactar a gerente de TI... :)"
    End Select
End If
cn.Close

End Function

```

Formulario de Equipos

The screenshot shows a Windows application window titled "Equipo". At the top, there is a menu bar with icons for "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". Below the menu bar is a toolbar. The main area of the window contains three input fields: "Código Interno" (a single-line text box), "Descripción" (a single-line text box), and "Comentarios" (a multi-line text area with a vertical scrollbar). The window title bar shows "Equipo" and "Barras".

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
```

```
Dim rs As New ADODB.Recordset
```

```
Select Case Button.Key
```

```
Case "cmd_nuevo":
```

```
Me.txt_barra.Enabled = True
```

```
Me.txt_desc.Enabled = True
```

```
Me.txt_comments.Enabled = True
```

```
Me.txt_barra = ""
```

```
Me.txt_desc = ""
```

```
Me.txt_comments = ""
```

```
Call genera_codigo_eq
```

```
Case "cmd_guardar"
```

```
If Me.Toolbar1.Buttons(2).Caption = "Guardar" Then
```

```
Conectar cn
```

```
Set rs = cn.Execute("Insert Into EQUIPOS Values('" & Trim(Me.txt_id) & "','" &  
Trim(Me.txt_barra) & "','" & Trim(Me.txt_desc) & "','" & Trim(Me.txt_comments) & "'")")
```

```
MsgBox "Equipo " & Me.txt_id & " ingresado exitosamente.", vbOKOnly +  
vbInformation
```

```
Me.txt_barra.Enabled = False
```

```
Me.txt_desc.Enabled = False
```

```
Me.txt_comments.Enabled = False
```

```
Elseif Me.Toolbar1.Buttons(2).Caption = "Actualizar" Then
```

```
respuesta = MsgBox("¿Esta seguro que actualizar el registro de equipo " &  
Me.txt_id & "?", vbYesNo + vbCritical)
```

```

        If respuesta = vbYes Then
            Set rs = cn.Execute("Update EQUIPOS Set equcod=" & Trim(Me.txt_id) &
            ",equbarra=" & Trim(Me.txt_barra) & ",equdesc=" & Trim(Me.txt_desc) &
            ",comments=" & Trim(Me.txt_comments) & """)
            MsgBox "Equipo " & Me.txt_id & " actualizado exitosamente.", vbOKOnly +
vbInformation
            Set rs = cn.Execute("Select * From EQUIPOS Where equcod=" &
Trim(Me.txt_id) & """)
            Me.txt_barra = rs!equbarra
            Me.txt_desc = rs!equdesc
            Me.txt_comments = rs!Comments
            Me.txt_id = rs!equcod
            Me.txt_barra.Enabled = False
            Me.txt_desc.Enabled = False
            Me.txt_comments.Enabled = False
        End If
    End If
    cn.Close
    Case "cmd_eliminar"
        Conectar cn
        respuesta = MsgBox("¿Esta seguro que desea eliminar el registro de equipo " &
Me.txt_id & "?", vbYesNo + vbCritical)
        If respuesta = vbYes Then
            Set rs = cn.Execute("Delete From EQUIPOS Where equcod=" & Trim(Me.txt_id)
& """)
            MsgBox "Equipo " & Me.txt_id & " eliminado exitosamente.", vbOKOnly +
vbInformation
            Me.txt_barra.Enabled = False
            Me.txt_desc.Enabled = False
            Me.txt_comments.Enabled = False
            Me.txt_barra = ""
            Me.txt_desc = ""
            Me.txt_comments = ""
            Me.txt_id = ""
        End If
    cn.Close
    Case "cmd_editar"
        Me.Toolbar1.Buttons(2).Caption = "Actualizar"
        Me.txt_barra.Enabled = True
        Me.txt_desc.Enabled = True
        Me.txt_comments.Enabled = True
    Case "cmd_buscar":
        Conectar cn
        searchstring = InputBox("Equipo a buscar:", "Busqueda")
        'On Error GoTo error_busqueda:
        Set rs = cn.Execute("Select * From EQUIPOS Where EQUdesc Like '%" &
searchstring & "%")

```

```

    Me.txt_barra = rs!equbarra
    Me.txt_desc = rs!equdesc
    Me.txt_comments = rs!Comments
    Me.txt_id = rs!equcod
    Me.txt_barra.Enabled = False
    Me.txt_desc.Enabled = False
    Me.txt_comments.Enabled = False
    cn.Close
End Select

Exit Sub

error_busqueda:
MsgBox "No se encuentra ningun registro."

End Sub

Private Function genera_codigo_eq()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select count(EQUCOD) as cuenta_cuantos From EQUIPOS")

If rs!cuenta_cuantos = 0 Then
    Me.txt_id = "EQ0001"
Else
    Set rs = cn.Execute("select max(EQUCOD) as maximo1 from EQUIPOS")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)
    Select Case longitud
        Case Is = 1
            Codigo_EQ = "EQ000" & Trim(Str(maximo2))
            Me.txt_id = Codigo_EQ
        Case Is = 2
            Codigo_EQ = "EQ00" & Trim(Str(maximo2))
            Me.txt_id = Codigo_EQ
        Case Is = 3
            Codigo_EQ = "EQ0" & Trim(Str(maximo2))
            Me.txt_id = Codigo_EQ
        Case Is = 4
            Codigo_EQ = "EQ" & Trim(Str(maximo2))
            Me.txt_id = Codigo_EQ
        Case Else
            MsgBox " Ya no hay codigos por dar, contactar a gerente de TI... :)"
    End Select
End If
End Function

```

```
End Select
End If
cn.Close
End Function
```

Formulario de Proveedores

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Private Sub cmb_nombprov_Click()
    Me.txt_nombprov.Text = Me.cmb_nombprov.Text
End Sub
```

```
Private Sub cmb_pais_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("select * from paises where nombre=" & Trim(Me.cmb_pais) & """)
Me.txt_region = rs!region
```

```
cn.Close
```

```
End Sub
```

```
Private Sub cmb_status_Click()
```

```
    Me.txtStatus.Text = Me.cmb_status.Text
```

```
End Sub
```

```
Private Sub cmd_busca_matriz_Click()
```

```
    Dim rs As New ADODB.Recordset
```

```
    Conectar cn
```

```
    If Trim(Me.txt_busca_matriz) = "" Then
```

```
        Set rs = cn.Execute("Select * From PROVEEDORES")
```

```
    Else
```

```
        Set rs = cn.Execute("Select * From PROVEEDORES Where vdrnom like '%" &  
Me.txt_busca_matriz.Text & "%'")
```

```
    End If
```

```
    Me.tab_matrizprov.Clear
```

```
    Me.tab_matrizprov.Rows = 2
```

```
    Me.tab_matrizprov.Cols = 4
```

```
    Me.tab_matrizprov.FixedRows = 1
```

```
    Me.tab_matrizprov.ColWidth(0) = Me.tab_matrizprov.Width * 0.07
```

```
    Me.tab_matrizprov.Col = 1
```

```
    Me.tab_matrizprov.Row = 0
```

```
    Me.tab_matrizprov.Text = "VDRCOD"
```

```
    Me.tab_matrizprov.ColWidth(1) = Me.tab_matrizprov.Width * 0.1
```

```
    Me.tab_matrizprov.Col = 2
```

```
    Me.tab_matrizprov.Row = 0
```

```
    Me.tab_matrizprov.Text = "VDRNOM"
```

```
    Me.tab_matrizprov.ColWidth(2) = Me.tab_matrizprov.Width * 0.6
```

```
    Me.tab_matrizprov.Col = 3
```

```
    Me.tab_matrizprov.Row = 0
```

```
    Me.tab_matrizprov.Text = "VDRTEL1"
```

```
    Me.tab_matrizprov.ColWidth(3) = Me.tab_matrizprov.Width * 0.2
```

```
Do While rs.EOF = False
```

```
    Me.tab_matrizprov.Row = Me.tab_matrizprov.Row + 1
```

```
    Me.tab_matrizprov.Col = 1
```

```
    Me.tab_matrizprov.Text = rs!vdrcod
```

```

    Me.tab_matrizprov.Col = 2
    Me.tab_matrizprov.Text = rs!vdrnom
    Me.tab_matrizprov.Col = 3
    Me.tab_matrizprov.Text = rs!vdrtel1
    Me.tab_matrizprov.Rows = Me.tab_matrizprov.Rows + 1
    rs.MoveNext
Loop
Me.tab_matrizprov.Rows = Me.tab_matrizprov.Rows - 1

    cn.Close
End Sub

Private Sub cmd_tipoprov_Click()
    Me.txt_tipoprov.Text = Me.cmd_tipoprov.Text
End Sub

Private Sub Command11_Click()

End Sub

Private Sub Command6_Click()

End Sub

Private Sub Command10_Click()

Private Sub Form_Load()
    With Me.cmb_status
        .AddItem "Activo"
        .AddItem "Inactivo"
    End With

    With Me.cmd_tipoprov
        .AddItem "Primario"
        .AddItem "Secundario"
    End With

    Iniciar_barra Me
End Sub

Private Sub tab_contactosprov_Click()

End Sub

Private Sub tab_matrizprov_Click()
    Dim rs As ADODB.Recordset

```

Conectar cn

```
Me.tab_matrizprov.Row = Me.tab_matrizprov.RowSel  
Me.tab_matrizprov.Col = 1
```

```
Set rs = cn.Execute("Select a.*,b.nombre,b.region From PROVEEDORES a,paises b  
Where a.vdrpais=b.codpais and vdrkod = '" & Me.tab_matrizprov.Text & "'")
```

```
Me.txt_idprov = rs!vdrkod  
Me.txt_nombprov = rs!vdrnom  
Me.txt_razon = rs!vdrrazon  
Me.txt_direccion = rs!vdrdir  
Me.txt_tel1.SelText = rs!vdrtel1  
Me.txt_tel2.SelText = rs!vdrtel2  
Me.txt_url = rs!vdrurl  
Me.cmb_status.Text = rs!vdrstatus  
Me.txt_tipoprov = rs!vdrtip  
Me.txt_region = rs!region  
Me.cmb_pais = rs!nombre  
Me.txt_nit.SelText = rs!vdrnit  
Me.txt_fechaoper = rs!fechaoper  
Me.cmb_status.Enabled = False  
Me.cmd_tipoprov.Enabled = False
```

```
Select Case rs!vdrstatus  
Case 1:  
    Me.cmb_status.ListIndex = 0  
Case 2:  
    Me.cmb_status.ListIndex = 1  
End Select
```

```
Select Case rs!vdrtip  
Case 1:  
    Me.cmd_tipoprov.ListIndex = 0  
Case 2:  
    Me.cmd_tipoprov.ListIndex = 1  
End Select
```

```
Me.tab_equiposXprov.Clear  
Me.tab_equiposXprov.Rows = 2  
Me.tab_equiposXprov.Cols = 4  
Me.tab_equiposXprov.FixedRows = 1  
Me.tab_equiposXprov.ColWidth(0) = Me.tab_equiposXprov.Width * 0.07
```

```
Me.tab_equiposXprov.Col = 1  
Me.tab_equiposXprov.Row = 0
```

```

Me.tab_equiposXprov.Text = "SERIE"
Me.tab_equiposXprov.ColWidth(1) = Me.tab_equiposXprov.Width * 0.15

Me.tab_equiposXprov.Col = 2
Me.tab_equiposXprov.Row = 0
Me.tab_equiposXprov.Text = "DESCRIPCION"
Me.tab_equiposXprov.ColWidth(2) = Me.tab_equiposXprov.Width * 0.3

Me.tab_equiposXprov.Col = 3
Me.tab_equiposXprov.Row = 0
Me.tab_equiposXprov.Text = "FABRICANTE"
Me.tab_equiposXprov.ColWidth(3) = Me.tab_equiposXprov.Width * 0.4

Set rs = cn.Execute("Select A.*,B.FABNOM From HARDWARE A,FABRICANTES B
Where A.FABCOD=B.FABCOD AND A.vdrcod="" & Trim(prov) & """)

Do While rs.EOF = False
    Me.tab_equiposXprov.Row = Me.tab_equiposXprov.Row + 1
    Me.tab_equiposXprov.Col = 1
    Me.tab_equiposXprov.Text = rs!noserie
    Me.tab_equiposXprov.Col = 2
    Me.tab_equiposXprov.Text = rs!descripcion
    Me.tab_equiposXprov.Col = 3
    Me.tab_equiposXprov.Text = rs!fabnom
    Me.tab_equiposXprov.Rows = Me.tab_equiposXprov.Rows + 1
    rs.MoveNext
Loop
Me.tab_equiposXprov.Rows = Me.tab_matrizprov.Rows - 1

cn.Close

Me.SSTab1.tab = 0
End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
    Dim rs As New ADODB.Recordset

    Select Case Button.Key
        Case "cmd_nuevo":
            Limpiar
            Habilitar
            Guardar_barra Me
            Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar"
            Conectar cn
            Set rs = cn.Execute("Select * from paises")
            Me.cmb_pais.Clear
            Do While rs.EOF = False

```

```

        Me.cmb_pais.AddItem rs!nombre
        rs.MoveNext
    Loop
    cn.Close
    Call genera_codigo_prv
Case "cmd_guardar":
    Select Case Me.cmb_status
        Case "Activo":
            Status = 1
        Case "Inactivo":
            Status = 2
    End Select

    Select Case Me.cmd_tipoprov
        Case "Primario":
            tipo = 1
        Case "Secundario":
            tipo = 2
    End Select

    If Len(Trim(Me.txt_nombprov.Text)) <= 0 Then
        MsgBox "Debe escribir un nombre", vbOKOnly + vbCritical, "SGI"
        Me.txt_nombprov.SetFocus
        Exit Sub
    End If

    If Len(Trim(Me.txt_razon.Text)) <= 0 Then
        MsgBox "Debe escribir la razón social", vbOKOnly + vbCritical, "SGI"
        Me.txt_razon.SetFocus
        Exit Sub
    End If

    If Len(Trim(Me.cmb_pais.Text)) <= 0 Then
        MsgBox "Debe escribir el país", vbOKOnly + vbCritical, "SGI"
        Me.cmb_pais.SetFocus
        Exit Sub
    End If

    If Len(Trim(Me.txt_direccion.Text)) <= 0 Then
        MsgBox "Debe escribir una dirección", vbOKOnly + vbCritical, "SGI"
        Me.txt_direccion.SetFocus
        Exit Sub
    End If

    If Len(Trim(Me.txt_tel1.Text)) <= 0 Then
        MsgBox "Debe escribir el primer número de teléfono", vbOKOnly + vbCritical,
"SGI"

```

```

    Me.txt_tel1.SetFocus
    Exit Sub
End If

If Len(Trim(Me.txt_region.Text)) <= 0 Then
    MsgBox "Debe escribir la región", vbOKOnly + vbCritical, "SGI"
    Me.txt_region.SetFocus
    Exit Sub
End If

If Len(Trim(Me.txt_nit.Text)) <= 0 Then
    MsgBox "Debe escribir el número de NIT", vbOKOnly + vbCritical, "SGI"
    Me.txt_nit.SetFocus
    Exit Sub
End If

Conectar cn

If Me.Toolbar1.Buttons(2).Caption = "Guardar" Then
    Set rs = cn.Execute("select * from paises where nombre=" &
Trim(Me.cmb_pais) & """)
    codpais = rs!codpais

    Set rs = cn.Execute("Insert Into PROVEEDORES Values(" &
Trim(Me.txt_idprov) & ", " & _
    " " & Trim(Me.txt_nombprov) & ", " & _
    " " & Trim(Me.txt_razon) & ", " & _
    " " & Trim(Me.txt_direccion) & ", " & _
    " " & Trim(Me.txt_tel1) & ", " & _
    " " & Trim(Me.txt_tel2) & ", " & _
    " " & Trim(Me.txt_url) & ", " & _
    " " & Trim(Status) & ", " & _
    " " & Trim(tipo) & ", " & _
    " " & Trim(codpais) & ", " & _
    " " & Trim(Me.txt_nit) & ", " & _
    " " & Trim(Me.txt_fechaoper) & ", " & _
    " " & Trim(Usuario) & """)

    MsgBox "Proveedor " & Me.txt_idprov & " ingresado exitosamente", vbOKOnly
+ vbInformation

    Deshabilitar
Else
    respuesta = MsgBox("¿Esta seguro que desea actualizar el registro de proveedor "
& Me.txt_idprov & "?", vbYesNo + vbCritical)

    If respuesta = vbYes Then

```

```

        Set rs = cn.Execute("select * from paises where nombre=" &
Trim(Me.cmb_pais) & """)
        codpais = rs!codpais

        Set rs = cn.Execute("Update PROVEEDORES Set vdrnom=" &
Trim(Me.txt_nombprov) & ",vdrrazon=" & Trim(Me.txt_razon) & ",vdrdir=" &
Trim(Me.txt_direccion) & ", vdrtel1=" & Trim(Me.txt_tel1) & ", vdrtel2=" &
Trim(Me.txt_tel2) & ",vdrurl=" & Trim(Me.txt_url) & ",vdrstatus=" & Trim(Status) &
",vdrtip=" & Trim(tipo) & ",vdrpais=" & Trim(codpais) & ",vdrnit=" & Trim(Me.txt_nit)
& ",fechaoper=" & Trim(Me.txt_fechaoper) & ",usuario=" & Trim(usuario_conectado) &
"" Where vdrnod=" & Trim(Me.txt_idprov) & """)
        MsgBox "Proveedor " & Me.txt_idprov & " actualizado exitosamente.",
vbOKOnly + vbInformation
        Me.txt_nombprov.Enabled = False
        Me.txt_razon.Enabled = False
        Me.txt_direccion.Enabled = False
        Me.txt_tel1.Enabled = False
        Me.txt_tel2.Enabled = False
        Me.txt_url.Enabled = False
        Me.cmb_status.Enabled = False
        Me.txt_tipoprov.Enabled = False
        Me.txt_region.Enabled = False
        Me.cmb_pais.Enabled = False
        Me.txt_nit.Enabled = False
        Me.cmd_tipoprov.Enabled = False

        Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar"
    End If
End If

cn.Close
Buscar_barra Me
Case "cmd_eliminar":
    respuesta = MsgBox("¿Esta seguro que desea eliminar el registro de proveedor " &
Me.txt_idprov & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then
        Conectar cn

        Set rs = cn.Execute("Delete From PROVEEDORES Where vdrnod=" &
Trim(Me.txt_idprov) & """)
        Deshabilitar
        Limpiar
        MsgBox "Proveedor " & Me.txt_idprov & " eliminado exitosamente.",
vbOKOnly

        cn.Close
    End If

```

```

    Iniciar_barra Me
    Limpiar
Case "cmd_editar":
    Me.Toolbar1.Buttons("cmd_guardar").Caption = "Actualizar"
    Habilitar
    Guardar_barra Me
Case "cmd_buscar":
    searchstring = InputBox("Nombre del proveedor:", "Búsqueda")

Conectar cn

On Error GoTo error_búsqueda:
    Set rs = cn.Execute("Select A.*,B.region,B.NOMBRE From PROVEEDORES
A,PAISES B Where A.vdrPAIS=B.CODPAIS AND vdrnom Like '%" & searchstring &
"%")

    prov = rs!vdrcod
    Me.txt_idprov = rs!vdrcod
    Me.txt_nombprov = rs!vdrnom
    Me.txt_razon = rs!vdrrazon
    Me.txt_direccion = rs!vdrdir
    Me.txt_tel1 = rs!vdrtel1
    Me.txt_tel2 = rs!vdrtel2
    Me.txt_url = rs!vdrurl
    Me.cmb_status.Text = rs!vdrstatus
    Me.txt_tipoprov = rs!vdrtip
    Me.cmb_pais = rs!nombre
    Me.txt_region = rs!region
    Me.txt_nit = rs!vdrnit
    Me.txt_fechaoper = rs!fechaoper
    Me.cmb_status.Enabled = False
    Me.cmd_tipoprov.Enabled = False

Select Case rs!vdrstatus
    Case 1:
        Me.cmb_status.ListIndex = 0
    Case 2:
        Me.cmb_status.ListIndex = 1
End Select

Select Case rs!vdrtip
    Case 1:
        Me.cmd_tipoprov.ListIndex = 0
    Case 2:
        Me.cmd_tipoprov.ListIndex = 1
End Select

```

```
Me.Text1 = Me.txt_idprov
```

```
cn.Close
```

```
Me.tab_equiposXprov.Clear
```

```
Me.tab_equiposXprov.Rows = 2
```

```
Me.tab_equiposXprov.Cols = 4
```

```
Me.tab_equiposXprov.FixedRows = 1
```

```
Me.tab_equiposXprov.ColWidth(0) = Me.tab_equiposXprov.Width * 0.07
```

```
Me.tab_equiposXprov.Col = 1
```

```
Me.tab_equiposXprov.Row = 0
```

```
Me.tab_equiposXprov.Text = "SERIE"
```

```
Me.tab_equiposXprov.ColWidth(1) = Me.tab_equiposXprov.Width * 0.15
```

```
Me.tab_equiposXprov.Col = 2
```

```
Me.tab_equiposXprov.Row = 0
```

```
Me.tab_equiposXprov.Text = "DESCRIPCION"
```

```
Me.tab_equiposXprov.ColWidth(2) = Me.tab_equiposXprov.Width * 0.3
```

```
Me.tab_equiposXprov.Col = 3
```

```
Me.tab_equiposXprov.Row = 0
```

```
Me.tab_equiposXprov.Text = "FABRICANTE"
```

```
Me.tab_equiposXprov.ColWidth(3) = Me.tab_equiposXprov.Width * 0.4
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select A.*,B.FABNOM From HARDWARE  
A,FABRICANTES B Where A.FABCOD=B.FABCOD AND A.vdrcod="" & Trim(prov) &  
""")
```

```
Do While rs.EOF = False
```

```
Me.tab_equiposXprov.Row = Me.tab_equiposXprov.Row + 1
```

```
Me.tab_equiposXprov.Col = 1
```

```
Me.tab_equiposXprov.Text = rs!noserie
```

```
Me.tab_equiposXprov.Col = 2
```

```
Me.tab_equiposXprov.Text = rs!descripcion
```

```
Me.tab_equiposXprov.Col = 3
```

```
Me.tab_equiposXprov.Text = rs!fabnom
```

```
Me.tab_equiposXprov.Rows = Me.tab_equiposXprov.Rows + 1
```

```
rs.MoveNext
```

```
Loop
```

```
Me.tab_equiposXprov.Rows = Me.tab_matrizprov.Rows - 1
```

```
cn.Close
```

```

    Me.SSTab1.tab = 0
    Buscar_barra Me
Case "cmd_imprimir":
    If Me.txt_idprov = "" Then
        Load frm_preview_proveedores
        frm_preview_proveedores.Show
    Else
        Load frm_preview_proveedores2
        frm_preview_proveedores2.Show
    End If
Case "cmd_salir":
    Unload Me
End Select

Exit Sub

error_busqueda:
    Dim error As ADODB.error

    For Each error In cn.Errors
        MsgBox "Error " & Str(error.Number) & ": " & error.Description, vbOKOnly +
vbCritical, "SGI"
    Next

    MsgBox "El registro no existe", vbOKOnly + vbInformation, "SGI"
    cn.Close
End Sub

Private Function genera_codigo_prv()
    Dim rs As New ADODB.Recordset

    Conectar cn

    Set rs = cn.Execute("Select count(vdrcod) as cuenta_cuantos From PROVEEDORES")

    If rs!cuenta_cuantos = 0 Then
        Me.txt_idprov = "VDR001"
    Else
        Set rs = cn.Execute("select max(vdrcod) as maximo1 from PROVEEDORES")
        maximo2 = Mid(rs!maximo1, 4, 3)
        maximo2 = Val(maximo2) + 1
        longitud = Len(maximo2)
        Select Case longitud
            Case Is = 1
                Codigo_vdr = "VDR00" & Trim(Str(maximo2))
                Me.txt_idprov = Codigo_vdr
            Case Is = 2

```

```

        Codigo_vdr = "VDR0" & Trim(Str(maximo2))
        Me.txt_idprov = Codigo_vdr
    Case Is = 3
        Codigo_vdr = "VDR" & Trim(Str(maximo2))
        Me.txt_idprov = Codigo_vdr
    Case Else
        MsgBox "Ya la regaste, ya no hay espacio... :)"
    End Select
End If
cn.Close
End Function

```

```

Public Sub Habilitar()
    Me.txt_nombprov.Enabled = True
    Me.txt_razon.Enabled = True
    Me.txt_direccion.Enabled = True
    Me.txt_tel1.Enabled = True
    Me.txt_tel2.Enabled = True
    Me.txt_url.Enabled = True
    Me.cmb_status.Enabled = True
    Me.cmd_tipoprov.Enabled = True
    Me.txt_tipoprov.Enabled = True
    Me.txt_region.Enabled = True
    Me.cmb_pais.Enabled = True
    Me.txt_nit.Enabled = True
    Me.txt_fechaoper = Date
    Me.txtStatus.Enabled = True
    Me.cmb_status.ListIndex = 0
    Me.cmd_tipoprov.ListIndex = 0
    Me.txt_tipoprov.Text = Me.cmd_tipoprov.Text
    Me.txtStatus = Me.cmb_status.Text
End Sub

```

```

Public Sub Limpiar()
    Me.txt_idprov = ""
    Me.txt_nombprov = ""
    Me.txt_razon = ""
    Me.txt_direccion = ""
    Me.txt_tel1.Text = Nothing
    Me.txt_tel2 = ""
    Me.txt_url = ""
    Me.txt_tipoprov = ""
    Me.txt_region = ""
    Me.cmb_pais = ""
    Me.txt_nit = ""
End Sub

```

```

Public Sub Deshabilitar()
    Me.txt_nombprov.Enabled = False
    Me.txt_razon.Enabled = False
    Me.txt_direccion.Enabled = False
    Me.txt_tel1.Enabled = False
    Me.txt_tel2.Enabled = False
    Me.txt_url.Enabled = False
    Me.cmb_status.Enabled = False
    Me.txt_tipoprov.Enabled = False
    Me.txt_region.Enabled = False
    Me.cmb_pais.Enabled = False
    Me.txt_nit.Enabled = False
    Me.cmd_tipoprov.Enabled = False
    Me.txtStatus.Enabled = False
End Sub

```

Formulario de Ubicaciones

The screenshot shows a software application window titled "Ubicación". At the top, there is a menu bar with icons for "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". The main content area is divided into two sections. The upper section contains a form with the following fields: "ID Sucursal" (text box), "Nombre" (text box), "Dirección" (text box with scrollbars), "Teléfono" (text box), and "Responsable" (dropdown menu). The lower section is a tabbed interface with two tabs: "Detalle Areas" (selected) and "Resumen". The "Detalle Areas" tab contains a sub-form with a menu bar (New, Save, Undo, Redo) and two text boxes labeled "Cod. Area" and "Descripción".

Codigo Fuente

```

Dim cn As New ADODB.Connection
Dim codigo_responsable As String

```

```
Dim hola As Boolean
Dim botonguardar As Boolean
```

```
Private Sub cmb_resp_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select * From USUARIOS Where Nombre=" &
Trim(Me.cmb_resp.Text) & """)
```

```
codigo_responsable = rs!UserName
```

```
cn.Close
```

```
End Sub
```

```
Private Sub cmd_editar_Click()
```

```
Me.txt_area.Locked = False
```

```
Me.cmd_nuevo.Enabled = False
```

```
Me.cmd_eliminar.Enabled = False
```

```
Me.cmd_guardar.Enabled = True
```

```
hola = False
```

```
End Sub
```

```
Private Sub cmd_eliminar_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
verifica = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical + vbYesNo)
```

```
If verifica = vbYes Then
```

```
Conectar cn
```

```
Set rs = cn.Execute("delete from ubicacion_area where codarea=" &
Trim(Me.txt_codarea) & """)
```

```
MsgBox "Registro eliminado exitosamente", vbInformation + vbOKOnly
```

```
Me.txt_area = ""
```

```
Me.txt_codarea = ""
```

```
Me.MSFlexGrid1.Clear
```

```
Me.MSFlexGrid1.Rows = 2
```

```
Me.MSFlexGrid1.Cols = 3
```

```
Me.MSFlexGrid1.FixedRows = 1
```

```

Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Codigo"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Descripción"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.35

Set rs = cn.Execute("Select * From UBICACION_AREA Where codubica=" &
Trim(Me.txt_codigo) & """)

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!codarea
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nomarea
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

cn.Close

Me.SSTab2.tab = 1
End If

End Sub

Private Sub cmd_guardar_Click()

Dim rs As New ADODB.Recordset

If hola = True Then
    Conectar cn
    Set rs = cn.Execute("Insert Into UBICACION_AREA Values(" & Trim(Me.txt_codarea)
& "," & Trim(Me.txt_codigo) & "," & Trim(Me.txt_area) & ")")
    Me.txt_area.Locked = True
    Me.cmd_guardar.Enabled = False
    Me.cmd_nuevo.Enabled = True

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2

```

```

Me.MSFlexGrid1.Cols = 3
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Codigo"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Descripción"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.35

Set rs = cn.Execute("Select * From UBICACION_AREA Where codubica=" &
Trim(Me.txt_codigo) & """)

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!codarea
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nomarea
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

cn.Close

Me.SSTab2.tab = 1
Else
    Conectar cn
    Set rs = cn.Execute("Update UBICACION_AREA Set nomarea=" & Trim(Me.txt_area)
& "" where codarea=" & Trim(Me.txt_codarea) & """)
    MsgBox "Registro actualizado exitosamente", vbInformation + vbOKOnly

Me.txt_area.Locked = True
Me.cmd_guardar.Enabled = False
Me.cmd_nuevo.Enabled = True

Me.MSFlexGrid1.Clear
Me.MSFlexGrid1.Rows = 2
Me.MSFlexGrid1.Cols = 3
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

```

```

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Codigo"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "Descripción"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.35

Set rs = cn.Execute("Select * From UBICACION_AREA Where codubica=" &
Trim(Me.txt_codigo) & """)

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!codarea
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nomarea
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

cn.Close

Me.SSTab2.tab = 1
End If

End Sub

Private Sub cmd_nuevo_Click()

Me.txt_codarea = ""
Me.txt_area = ""
Call genera_codigo_area
Me.txt_area.Locked = False
Me.txt_area.SetFocus
Me.cmd_nuevo.Enabled = False
Me.cmd_guardar.Enabled = True
hola = True

End Sub

```

```

Private Sub MSFlexGrid1_DblClick()

Dim rs As New ADODB.Recordset

indice = Me.MSFlexGrid1.RowSel
Me.MSFlexGrid1.Row = indice
Me.MSFlexGrid1.Col = 1
Me.Text4 = Me.MSFlexGrid1.Text

Conectar cn

Set rs = cn.Execute("Select * From UBICACION_AREA Where codarea=" &
Trim(Me.Text4) & """)
Me.txt_codarea = rs!codarea
Me.txt_area = rs!nomarea

Me.SSTab2.tab = 0

cn.Close

End Sub

```

```

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key
Case "cmd_nuevo":
Conectar cn
Me.cmb_resp.Clear
Set rs = cn.Execute("Select * From USUARIOS")
Do While rs.EOF = False
Me.cmb_resp.AddItem rs!nombre
rs.MoveNext
Loop
cn.Close
Call genera_codigo_ubicacion
Me.txt_nombre.Locked = False
Me.txt_dir.Locked = False
Me.txt_tel.Locked = False
Me.cmb_resp.Enabled = True
Me.txt_nombre.SetFocus
Guardar_barra Me
botonguardar = True
Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar"

```

```

Case "cmd_guardar":
    If Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar" Then
        Conectar cn
        Set rs = cn.Execute("Insert Into UBICACIONES Values('" & Trim(Me.txt_codigo)
& "','" & Trim(Me.txt_nombre) & "','" & Trim(Me.txt_dir) & "','" & Trim(Me.txt_tel) &
"',"' & Trim(codigo_responsable) & "'")
        MsgBox "Ubicacion " & Me.txt_codigo & " ingresado exitosamente.", vbOKOnly +
vbInformation
        Me.txt_nombre.Locked = True
        Me.txt_dir.Locked = True
        Me.txt_tel.Locked = True
        Me.cmb_resp.Enabled = False
        cn.Close
        Me.SSTab2.tab = 0
    ElseIf Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar" Then
        Conectar cn
        Set rs = cn.Execute("Select * From USUARIOS Where Nombre='" &
Trim(Me.cmb_resp.Text) & "'")
        codigo_responsable = rs!UserName
        Set rs = cn.Execute("update ubicaciones set nomubica='" & Trim(Me.txt_nombre)
& "',dirubica='" & Trim(Me.txt_dir) & "',telubica='" & Trim(Me.txt_tel) & "',respublica='"
& Trim(codigo_responsable) & "' where codubica='" & Trim(Me.txt_codigo) & "'")
        MsgBox "Registro actualizado exitosamente", vbInformation + vbOKOnly
        cn.Close
    End If
    Buscar_barra Me
Case "cmd_editar":
    botonguardar = False
    Me.Toolbar1.Buttons("cmd_guardar").Caption = "Actualizar"
    Buscar_barra Me
Case "cmd_eliminar":
    verifical = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +
vbYesNo)
    If verifical = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Delete from ubicacion_area where codubica='" &
Trim(Me.txt_codigo) & "'")
        Set rs = cn.Execute("delete from ubicaciones where codubica='" &
Trim(Me.txt_codigo) & "'")
        MsgBox "Registro eliminado exitosamente", vbInformation + vbOKOnly
        Me.MSFlexGrid1.Clear
        Me.txt_codigo = ""
        Me.txt_dir = ""
        Me.txt_nombre = ""
        Me.txt_tel.Text = "###-###"
        Me.cmb_resp.Clear
        Me.cmb_resp = ""

```

```

    End If
    Case "cmd_buscar":
        Load frm_busca_ubicacion
        frm_busca_ubicacion.Show
    Case "cmd_imprimir":
        Load frm_preview_ubicaciones
        frm_preview_ubicaciones.Show
    Case "cmd_salir":
        Unload Me
End Select

End Sub

Private Function genera_codigo_ubicacion()
    Dim rs As New ADODB.Recordset

    Conectar cn

    Set rs = cn.Execute("Select count(codubica) as cuenta_cuantos From ubicaciones")

    If rs!cuenta_cuantos = 0 Then
        Me.txt_codigo = "UB0001"
    Else
        Set rs = cn.Execute("select max(codubica) as maximo1 from ubicaciones")
        maximo2 = Mid(rs!maximo1, 4, 3)
        maximo2 = Val(maximo2) + 1
        longitud = Len(maximo2)

        Select Case longitud
            Case Is = 1
                Codigo_UBI = "UB000" & Trim(Str(maximo2))
                Me.txt_codigo = Codigo_UBI
            Case Is = 2
                Codigo_UBI = "UB00" & Trim(Str(maximo2))
                Me.txt_codigo = Codigo_UBI
            Case Is = 3
                Codigo_UBI = "UB0" & Trim(Str(maximo2))
                Me.txt_codigo = Codigo_UBI
            Case Is = 4
                Codigo_UBI = "UB" & Trim(Str(maximo2))
                Me.txt_codigo = Codigo_UBI
            Case Else
                MsgBox "No hay mas codigos por dar, consultar con Gerencia de Tecnologia... :)"
        End Select
    End If

    cn.Close

```

End Function

Private Function genera_codigo_area()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select count(codarea) as cuenta_cuantos From ubicacion_area")

If rs!cuenta_cuantos = 0 Then

Me.txt_codarea = "A00001"

Else

Set rs = cn.Execute("select max(codarea) as maximo1 from ubicacion_area")

maximo2 = Mid(rs!maximo1, 4, 3)

maximo2 = Val(maximo2) + 1

longitud = Len(maximo2)

Select Case longitud

Case Is = 1

Codigo_AREA = "A0000" & Trim(Str(maximo2))

Me.txt_codarea = Codigo_AREA

Case Is = 2

Codigo_AREA = "A000" & Trim(Str(maximo2))

Me.txt_codarea = Codigo_AREA

Case Is = 3

Codigo_AREA = "A00" & Trim(Str(maximo2))

Me.txt_codarea = Codigo_AREA

Case Is = 4

Codigo_AREA = "A0" & Trim(Str(maximo2))

Me.txt_codarea = Codigo_AREA

Case Is = 5

Codigo_AREA = "A" & Trim(Str(maximo2))

Me.txt_codarea = Codigo_AREA

Case Else

MsgBox "No hay mas codigos por dar, consultar con Gerencia de Tecnologia... :)"

End Select

End If

cn.Close

End Function

Formulario de Garantías

The screenshot shows a Windows-style application window titled "Info. Garantía". At the top, there is a menu bar with icons and labels: "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". The main content area contains two text input fields: "Código de garantía:" and "Descripción:". Below these fields is a large empty rectangular area, possibly for a table or detailed description.

Codigo Fuente

```
Dim Modulo As String
Dim cn As New ADODB.Connection

Private Sub Form_Load()

Modulo = "GARA"

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset
Dim fecha As String

Select Case Button.Key
Case "cmd_nuevo":
    Me.txt_descgarantia.Enabled = True
    Me.txt_descgarantia = ""
    Me.txt_codgarantia = ""
    Call genera_codigo_gar
Case "cmd_guardar":
    If Me.Toolbar1.Buttons(2).Caption = "Guardar" Then
        Conectar cn
```

```

        Set rs = cn.Execute("Insert Into CODIGOS Values('" & Trim(Me.txt_codgarantia)
& "','" & Trim(Me.txt_descgarantia) & "','" & Trim(Modulo) & "')")
        MsgBox "Garantía " & Me.txt_codgarantia & " ingresada exitosamente.",
vbOKOnly + vbInformation
        Me.txt_codgarantia.Enabled = False
        Me.txt_descgarantia.Enabled = False
        cn.Close
    ElseIf Me.Toolbar1.Buttons(2).Caption = "Actualizar" Then
        respuesta = MsgBox("¿Esta seguro que actualizar el registro de garantía " &
Me.txt_codgarantia & "?", vbYesNo + vbCritical)
        If respuesta = vbYes Then
            Conectar cn
            Set rs = cn.Execute("Update CODIGOS Set descripcion='" &
Trim(Me.txt_descgarantia) & "' Where idcodigo='" & Trim(Me.txt_codgarantia) & "' and
idmodulo='" & Trim(Modulo) & "'")
            MsgBox "Garantía " & Me.txt_codgarantia & " actualizada exitosamente.",
vbOKOnly + vbInformation
            cn.Close
            Conectar cn
            Set rs = cn.Execute("Select descripcion From CODIGOS Where
idmodulo='GARA' and idcodigo='" & Trim(Me.txt_codgarantia) & "'")
            cn.Close
            Me.txt_descgarantia = rs!descripcion
            Me.txt_descgarantia.Enabled = False
            cn.Close
        End If
        bandera = False
    End If

Me.tab_detgarantia.Clear
Me.tab_detgarantia.Rows = 2
Me.tab_detgarantia.Cols = 3
Me.tab_detgarantia.FixedRows = 1
Me.tab_detgarantia.ColWidth(0) = Me.tab_detgarantia.Width * 0.07

Me.tab_detgarantia.Col = 1
Me.tab_detgarantia.Row = 0
Me.tab_detgarantia.Text = "CODIGO"
Me.tab_detgarantia.ColWidth(1) = Me.tab_detgarantia.Width * 0.15

Me.tab_detgarantia.Col = 2
Me.tab_detgarantia.Row = 0
Me.tab_detgarantia.Text = "DESCRIPCION"
Me.tab_detgarantia.ColWidth(2) = Me.tab_detgarantia.Width * 0.5

Conectar cn
Set rs = cn.Execute("Select * From CODIGOS Where idmodulo='GARA'")

```

```

Do While rs.EOF = False
    Me.tab_detgarantia.Row = Me.tab_detgarantia.Row + 1
    Me.tab_detgarantia.Col = 1
    Me.tab_detgarantia.Text = rs!idcodigo
    Me.tab_detgarantia.Col = 2
    Me.tab_detgarantia.Text = rs!descripcion
    Me.tab_detgarantia.Rows = Me.tab_detgarantia.Rows + 1
    rs.MoveNext
Loop
Me.tab_detgarantia.Rows = Me.tab_detgarantia.Rows - 1
cn.Close
Case "cmd_eliminar":
    respuesta = MsgBox("¿Esta seguro que desea eliminar el registro de garantia " &
Me.txt_codgarantia & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Delete From CODIGOS Where idmodulo='GARA' and
idcodigo=" & Trim(Me.txt_codgarantia) & """)
        MsgBox "Garantia " & Me.txt_codgarantia & " eliminado exitosamente.",
vbOKOnly + vbInformation
        Me.txt_codgarantia = ""
        Me.txt_descgarantia = ""

        Me.tab_detgarantia.Clear
        Me.tab_detgarantia.Rows = 2
        Me.tab_detgarantia.Cols = 3
        Me.tab_detgarantia.FixedRows = 1
        Me.tab_detgarantia.ColWidth(0) = Me.tab_detgarantia.Width * 0.07

        Me.tab_detgarantia.Col = 1
        Me.tab_detgarantia.Row = 0
        Me.tab_detgarantia.Text = "CODIGO"
        Me.tab_detgarantia.ColWidth(1) = Me.tab_detgarantia.Width * 0.15

        Me.tab_detgarantia.Col = 2
        Me.tab_detgarantia.Row = 0
        Me.tab_detgarantia.Text = "DESCRIPCION"
        Me.tab_detgarantia.ColWidth(2) = Me.tab_detgarantia.Width * 0.5

        Conectar cn
        Set rs = cn.Execute("Select * From CODIGOS Where idmodulo='GARA'")

Do While rs.EOF = False
    Me.tab_detgarantia.Row = Me.tab_detgarantia.Row + 1
    Me.tab_detgarantia.Col = 1
    Me.tab_detgarantia.Text = rs!idcodigo

```

```

    Me.tab_detgarantia.Col = 2
    Me.tab_detgarantia.Text = rs!descripcion
    Me.tab_detgarantia.Rows = Me.tab_detgarantia.Rows + 1
    rs.MoveNext
Loop
Me.tab_detgarantia.Rows = Me.tab_detgarantia.Rows - 1
cn.Close
End If
Case "cmd_editar":
    Me.Toolbar1.Buttons(2).Caption = "Actualizar"
    Me.txt_descgarantia.Enabled = True
Case "cmd_buscar":
    searchstring = InputBox("Garantía a buscar:", "Busqueda")
    'On Error GoTo error_busqueda:
    Conectar cn
    Set rs = cn.Execute("Select * From CODIGOS Where idmodulo='GARA' and
descripcion like '%" & Trim(Me.txt_descgarantia) & "%'")
    Me.txt_codgarantia = rs!idcodigo
    Me.txt_descgarantia = rs!descripcion
    cn.Close
Case "cmd_imprimir":
    'Load frm_preview_cr_matrizdeptos
Case "cmd_salir":
    Unload Me
End Select

Exit Sub

error_busqueda:
MsgBox "No se encuentra ningun registro."

End Sub

Private Function genera_codigo_gar()

Dim rs As New ADODB.Recordset

Conectar cn
Set rs = cn.Execute("Select Count(idcodigo) as cuenta_cuantos From CODIGOS Where
idmodulo='GARA'")

If rs!cuenta_cuantos = 0 Then
    Me.txt_codgarantia = "GARA01"
Else
    Set rs = cn.Execute("Select Max(idcodigo) as maximo1 From CODIGOS Where
idmodulo='GARA'")
    maximo2 = Mid(rs!maximo1, 5, 3)

```

```

maximo2 = Val(maximo2) + 1
longitud = Len(maximo2)
Select Case longitud
  Case Is = 1
    Codigo_gar = "GARA0" & Trim(Str(maximo2))
    Me.txt_codgarantia = Codigo_gar
  Case Is = 2
    Codigo_gar = "GARA" & Trim(Str(maximo2))
    Me.txt_codgarantia = Codigo_gar
  Case Else
    MsgBox "Ya la regaste, ya no hay espacio... :)"
End Select
End If
cn.Close

End Function

```

Formulario de Centros de Costos

Codigo Fuente

```

Dim cn As New ADODB.Connection
Dim resp_cc, sql As String

Private Sub cmb_ccresp_Click()
  Dim rs As New ADODB.Recordset

```

```
Me.txt_ccresp.Text = Me.cmb_ccresp.Text
```

```
sql = "SELECT b.jobdesc, c.departamento " & _  
      "FROM USUARIOS a, PUESTOS b, Departamentos c " & _  
      "WHERE a.Nombre = " & Trim(Me.txt_ccresp.Text) & _  
      " AND a.jobcod = b.jobcod AND b.jobdepto = c.coddepto"
```

```
Conectar cn
```

```
rs.Open sql, cn, adOpenForwardOnly, adLockReadOnly
```

```
If rs.State = 1 Then
```

```
    Me.txt_job.Text = rs!jobdesc
```

```
    Me.txt_depto.Text = rs!departamento
```

```
    'resp_cc = rs!usercccod
```

```
End If
```

```
rs.Close
```

```
cn.Close
```

```
End Sub
```

```
Private Function genera_codigo_cc()
```

```
    Dim rs As New ADODB.Recordset
```

```
    Conectar cn
```

```
    Set rs = cn.Execute("Select count(CCCOD) as cuenta_cuantos From  
CENTROS_DE_COSTOS")
```

```
    If rs!cuenta_cuantos = 0 Then
```

```
        Me.txt_cccod = "CC0001"
```

```
    Else
```

```
        Set rs = cn.Execute("select max(CCCOD) as maximo1 from  
CENTROS_DE_COSTOS")
```

```
        maximo2 = Mid(rs!maximo1, 4, 3)
```

```
        maximo2 = Val(maximo2) + 1
```

```
        longitud = Len(maximo2)
```

```
    Select Case longitud
```

```
        Case Is = 1
```

```
            Codigo_vdr = "CC000" & Trim(Str(maximo2))
```

```
            Me.txt_cccod = Codigo_vdr
```

```
        Case Is = 2
```

```
            Codigo_vdr = "CC00" & Trim(Str(maximo2))
```

```
            Me.txt_cccod = Codigo_vdr
```

```
        Case Is = 3
```

```
            Codigo_vdr = "CC0" & Trim(Str(maximo2))
```

```
            Me.txt_cccod = Codigo_vdr
```

```
        Case Is = 4
```

```

        Codigo_vdr = "CC" & Trim(Str(maximo2))
        Me.txt_cccod = Codigo_vdr
    Case Else
        MsgBox "Ya la regaste, ya no hay espacio... :)"
    End Select
End If
cn.Close
End Function

Private Sub cmd_busq_Click()
    Dim rs As New ADODB.Recordset

    EncMatriz

    sql = "SELECT a.cccod, a.ccnom, b.username FROM CENTROS_DE_COSTOS a,
    USUARIOS b where a.ccrep=b.username"

    Conectar cn
    If Me.Text11.Text = "" Then
        rs.Open sql, cn, adOpenForwardOnly, adLockReadOnly
    End If

    Me.tab_matrizcc.Clear
    Do While rs.EOF = False
        With Me.tab_matrizcc
            .Row = Me.tab_matrizcc.Row + 1
            .Col = 0
            .Text = rs!cccod
            .Col = 1
            .Text = rs!ccnom
            .Col = 2
            .Text = rs!UserName
            .Rows = Me.tab_matrizcc.Rows + 1
        End With
        rs.MoveNext
    Loop
    cn.Close
End Sub

Private Sub Form_Load()

    Me.SSTab1.tab = 0

End Sub

Private Sub tab_matrizcc_DblClick()

```

```

Dim rs As ADODB.Recordset

Me.tab_matrizcc.Row = Me.tab_matrizcc.RowSel
Me.tab_matrizcc.Col = 0

Conectar cn

Set rs = cn.Execute("SELECT a.cccod,a.ccnom,d.nombre,b.jobdesc,c.departamento FROM
centros_de_costos a,puestos b,departamentos c,usuarios d where b.jobdepto=c.coddepto
and d.jobcod=b.jobcod and a.ccrep=d.username and a.cccod=" &
Trim(Me.tab_matrizcc.Text) & """)
Me.txt_cccod = rs!cccod
Me.txt_ccnom = rs!ccnom
Me.txt_ccresp = rs!nombre
Me.txt_job = rs!jobdesc
Me.txt_depto = rs!departamento

cn.Close

Me.SSTab1.tab = 0

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
    Dim rs As New ADODB.Recordset
    Dim resp As String

    Select Case Button.Key
        Case "cmd_nuevo":
            Limpiar
            Habilitar
            Guardar_barra Me
            Conectar cn
            Me.cmb_ccresp.Clear
            Set rs = cn.Execute("Select Nombre From Usuarios")
            Do While rs.EOF = False
                Me.cmb_ccresp.AddItem rs!nombre
                rs.MoveNext
            Loop
            cn.Close
            Call genera_codigo_cc
        Case "cmd_guardar":
            Conectar cn
            If Me.Toolbar1.Buttons("cmd_guardar").Caption = "Guardar" Then
                Set rs = cn.Execute("Select username from usuarios where nombre=" &
Trim(Me.cmb_ccresp) & """)

```

```

    responsable = rs!UserName
    sql = "INSERT INTO CENTROS_DE_COSTOS VALUES('" & _
        Trim(Me.txt_cccod.Text) & "', '" & _
        Trim(Me.txt_ccnom.Text) & "', '" & _
        responsable & "')"

    'genera_codigo_cc
    cn.Execute sql
    MsgBox "Centro de costo " & Me.txt_cccod & " ingresado exitosamente.",
vbOKOnly + vbInformation, "SGI"
    Else
        Set rs = cn.Execute("Select username from usuarios where nombre='" &
Trim(Me.cmb_ccresp) & "'")
        responsable = rs!UserName
        sql = "UPDATE CENTROS_DE_COSTOS SET ccnom = '" &
Trim(Me.txt_ccnom) & "', ccresp = '" & responsable & "' WHERE cccod = '" &
Trim(Me.txt_cccod) & "'")
        cn.Execute sql
        MsgBox "Registro actualizado exitosamente.", vbInformation + vbOKOnly
    End If
    cn.Close
    Deshabilitar
    Buscar_barra Me
    Case "cmd_eliminar":
        resp = MsgBox("¿Esta seguro que desea eliminar el registro de centro de costo " &
Me.txt_cccod & "?", vbYesNo + vbCritical, "SGI")
        If resp = vbYes Then
            sql = "DELETE FROM CENTROS_DE_COSTOS WHERE cccod = '" &
Trim(Me.txt_cccod.Text) & "'")

            Conectar cn
            cn.Execute sql
            MsgBox "Centro de costo " & Me.txt_cccod & " eliminado exitosamente.",
vbOKOnly + vbInformation, "SGI"
            cn.Close
        End If
        Limpiar
        Deshabilitar
        Iniciar_barra Me
    Case "cmd_editar":
        Me.Toolbar1.Buttons("cmd_guardar").Caption = "Actualizar"
        Conectar cn
        Me.cmb_ccresp.Clear
        Set rs = cn.Execute("Select Nombre From Usuarios")
        Do While rs.EOF = False
            Me.cmb_ccresp.AddItem rs!nombre
            rs.MoveNext
        Loop
    End Case
End Sub

```

```

Loop
cn.Close
Habilitar
Guardar_barra Me
Case "cmd_buscar":
Limpiar
searchstring = InputBox("Centro de costo a buscar:", "Búsqueda")

sql = "SELECT a.cccod, a.ccnom, b.username FROM CENTROS_DE_COSTOS a,
USUARIOS b " & _
"WHERE ccnom LIKE '%" & searchstring & "%' AND " & _
"a.cccod = b.username"
Conectar cn
rs.Open sql, cn, adOpenForwardOnly, adLockReadOnly
If rs.State = 1 Then
If rs.RecordCount > 0 Then
Me.txt_cccod.Text = rs!cccod
Me.txt_ccnom.Text = rs!ccnom
Me.txt_ccresp.Text = rs!nombre
Me.cmb_ccresp.Text = rs!nombre

Buscar_barra Me
Else
MsgBox "Registro no encontrado [" & searchstring & "]", _
vbOKOnly + vbInformation, "SGI"

Iniciar_barra Me
End If
rs.Close
End If
cn.Close
Case "cmd_salir":
Unload Me
End Select
End Sub

Public Sub Habilitar()
Me.txt_ccnom.Enabled = True
Me.txt_ccresp.Enabled = True
Me.cmb_ccnom.Enabled = True
Me.cmb_ccresp.Enabled = True

If Me.cmb_ccresp.ListCount > 0 Then
If Me.cmb_ccresp.ListIndex = -1 Then Me.cmb_ccresp.ListIndex = 0
End If
End Sub

```

```
Public Sub Deshabilitar()  
    Me.txt_ccnom.Enabled = False  
    Me.txt_ccresp.Enabled = False  
    Me.cmb_ccnom.Enabled = False  
    Me.cmb_ccresp.Enabled = False  
End Sub
```

```
Public Sub Limpiar()  
    Me.txt_ccnom.Text = ""  
    Me.txt_ccresp.Text = ""  
    Me.txt_depto.Text = ""  
    Me.txt_job.Text = ""  
End Sub
```

```
Public Sub EncMatriz()  
    With Me.tab_matrizcc  
        .Clear  
        .Row = 0  
  
        .ColWidth(0) = Me.tab_matrizcc.Width * 0.2  
        .Col = 0  
        .Text = "CCCOD"  
  
        .ColWidth(1) = Me.tab_matrizcc.Width * 0.4  
        .Col = 1  
        .Text = "CCNOM"  
  
        .ColWidth(2) = Me.tab_matrizcc.Width * 0.4  
        .Col = 2  
        .Text = "CCRESP"  
    End With  
End Sub
```

Formulario de Traslados

The screenshot shows a web-based form titled "Info. Traslado". At the top, there is a menu bar with icons for "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". Below the menu bar, the form is divided into two main sections: "Detalle" and "Resumen".

The "Detalle" section contains a toolbar with icons for "Nuevo", "Guardar", "Actualizar", and "Eliminar". Below the toolbar, there are several input fields:

- Correlativo: Text input field.
- Fecha: Text input field.
- Traslada: Dropdown menu.
- Autoriza: Dropdown menu.
- Motivo: Text input field.
- Ubicacion: Dropdown menu.
- Area: Dropdown menu.
- Serie: Text input field.
- Equipo: Text input field.
- Descripcion: Text input field.

The "Resumen" section is currently empty.

Codigo Fuente

```
Dim cn As New ADODB.Connection
Dim BotonGuardar1 As Boolean
Dim botonguardar2 As Boolean
Dim area As String
Dim seriesel As String
```

```
Private Sub cmb_ubicacion_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select a.nomarea from UBICACION_AREA a,UBICACIONES b
where a.codubica=b.codubica and b.nomubica="" & Trim(Me.cmb_ubicacion) & """)
Me.cmb_area.Clear
Do While rs.EOF = False
    Me.cmb_area.AddItem rs!nomarea
    rs.MoveNext
Loop
cn.Close
```

End Sub

Private Sub cmd_editar_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Me.cmb_ubicacion.Clear

Set rs = cn.Execute("Select * From UBICACIONES")

Do While rs.EOF = False

 Me.cmb_ubicacion.AddItem rs!nomubica

 rs.MoveNext

Loop

cn.Close

botonguardar2 = False

End Sub

Private Sub cmd_eliminar_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("Select count(*) as existe from equipo_x_ubicacion where noserie="" & Trim(Me.txt_serie) & """)

ExisteEquipo = rs!existe

If ExisteEquipo = 1 Then

 Set rs = cn.Execute("select * from equipo_x_ubicacion where noserie="" & Trim(Me.txt_serie) & """)

 Area_Anterior = rs!codarea_ant

 Set rs = cn.Execute("Update equipo_x_ubicacion set codarea="" & Trim(Area_Anterior) & "",codarea_ant=null where noserie="" & Trim(Me.txt_serie) & """)

Else

 Set rs = cn.Execute("Insert into equipo_x_ubicacion(noserie,codarea) values("" & Trim(Me.txt_serie) & "", "" & Trim(area) & "")")

End If

Set rs = cn.Execute("Delete from TRASLADO_DET where numtraslado="" & Trim(Me.txt_codigo) & "" and noserie="" & Trim(Me.txt_serie) & """)

MsgBox "Detalle eliminado exitosamente", vbInformation + vbOKOnly

Me.MSFlexGrid1.Clear

Me.MSFlexGrid1.Rows = 2

Me.MSFlexGrid1.Cols = 6

Me.MSFlexGrid1.FixedRows = 1

Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

```
Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "UBICACION"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.3
```

```
Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "AREA"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "SERIE"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "EQUIPO"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "DESCRIPCION"
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select d.nomubica,e.nomarea,a.noserie,b.equdesc,c.descripcion from
TRASLADO_DET a,EQUIPOS b,HARDWARE c,UBICACIONES
d,UBICACION_AREA e where a.numtraslado=' ' & Trim(Me.txt_codigo) & ' ' and
a.codarea=e.codarea and d.codubica=e.codubica and a.noserie=c.noserie and
c.equcod=b.equcod")
```

```
Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!nomubica
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nomarea
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!noserie
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!equdesc
    Me.MSFlexGrid1.Col = 5
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
```

```

Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
Me.SSTab2.tab = 1

cn.Close

End Sub

Private Sub cmd_guardar_Click()

Dim rs As New ADODB.Recordset

Conectar cn

If botonguardar2 = True Then
    Set rs = cn.Execute("select * from hardware where noserie=" & Trim(Me.txt_serie) &
    """)
    If rs!Status = 2 Then
        MsgBox "Este equipo esta fuera de servicio,favor verificar su status", vbInformation +
        vbOKOnly
    Else
        'Verifica si el detalle ya ha sido ingresado anteriormente
        Set rs = cn.Execute("Select count(noserie) as yaesta from traslado_det where
        numtraslado=" & Trim(Me.txt_codigo) & "" and noserie=" & Trim(Me.txt_serie) & """)
        If rs!yaesta = 1 Then
            MsgBox "Este equipo ya esta ingresado en el traslado", vbInformation + vbOKOnly
        ElseIf yaesta = 0 Then
            Set rs = cn.Execute("Select a.codarea From UBICACION_AREA
            a,UBICACIONES b Where a.codubica=b.codubica and a.nomarea=" &
            Trim(Me.cmb_area) & "" and b.nomubica=" & Trim(Me.cmb_ubicacion) & """)
            area = rs!codarea
            Set rs = cn.Execute("Insert Into TRASLADO_DET(numtraslado,noserie,codarea)
            Values(" & Trim(Me.txt_codigo) & ", " & Trim(Me.txt_serie) & ", " & Trim(area) & ")")
            MsgBox "Detalle de traslado ingresado exitosamente", vbInformation + vbOKOnly

            Me.MSFlexGrid1.Clear
            Me.MSFlexGrid1.Rows = 2
            Me.MSFlexGrid1.Cols = 6
            Me.MSFlexGrid1.FixedRows = 1
            Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

            Me.MSFlexGrid1.Col = 1
            Me.MSFlexGrid1.Row = 0
            Me.MSFlexGrid1.Text = "UBICACION"
            Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.3

            Me.MSFlexGrid1.Col = 2
            Me.MSFlexGrid1.Row = 0

```

```
Me.MSFlexGrid1.Text = "AREA"  
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 3  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "SERIE"  
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.15
```

```
Me.MSFlexGrid1.Col = 4  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "EQUIPO"  
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 5  
Me.MSFlexGrid1.Row = 0  
Me.MSFlexGrid1.Text = "DESCRIPCION"  
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select  
d.nomubica,e.nomarea,a.noserie,b.equdesc,c.descripcion from TRASLADO_DET  
a,EQUIPOS b,HARDWARE c,UBICACIONES d,UBICACION_AREA e where  
a.numtraslado="" & Trim(Me.txt_codigo) & "" and a.codarea=e.codarea and  
d.codubica=e.codubica and a.noserie=c.noserie and c.equcod=b.equcod")
```

```
Do While rs.EOF = False  
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1  
Me.MSFlexGrid1.Col = 1  
Me.MSFlexGrid1.Text = rs!nomubica  
Me.MSFlexGrid1.Col = 2  
Me.MSFlexGrid1.Text = rs!nomarea  
Me.MSFlexGrid1.Col = 3  
Me.MSFlexGrid1.Text = rs!noserie  
Me.MSFlexGrid1.Col = 4  
Me.MSFlexGrid1.Text = rs!equdesc  
Me.MSFlexGrid1.Col = 5  
Me.MSFlexGrid1.Text = rs!descripcion  
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1  
rs.MoveNext
```

```
Loop  
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1  
Me.SSTab2.tab = 1
```

```
Set rs = cn.Execute("Select count(*) as existe from equipo_x_ubicacion where  
noserie="" & Trim(Me.txt_serie) & """)  
ExisteEquipo = rs!existe  
If ExisteEquipo = 1 Then
```

```

        Set rs = cn.Execute("select * from equipo_x_ubicacion where noserie=" &
Trim(Me.txt_serie) & """)
        Area_Anterior = rs!codarea
        Set rs = cn.Execute("Update equipo_x_ubicacion set codarea=" & Trim(area) &
"",codarea_ant=" & Trim(Area_Anterior) & " where noserie=" & Trim(Me.txt_serie) &
""")
    Else
        Set rs = cn.Execute("Insert into equipo_x_ubicacion(noserie,codarea) values(" &
Trim(Me.txt_serie) & "," & Trim(area) & ")")
    End If
End If
End If
ElseIf botonguardar2 = False Then
    serie = seriesel
    Set rs = cn.Execute("Select a.codarea From UBICACION_AREA a,UBICACIONES b
Where a.codubica=b.codubica and a.nomarea=" & Trim(Me.cmb_area) & " and
b.nomubica=" & Trim(Me.cmb_ubicacion) & """)
    area = rs!codarea
    Set rs = cn.Execute("Update traslado_det set noserie=" & Trim(Me.txt_serie) &
"",codarea=" & Trim(area) & " where numtraslado=" & Trim(Me.txt_codigo) & " and
noserie=" & Trim(serie) & """)
    MsgBox "Detalle actualizado exitosamente", vbInformation + vbOKOnly

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 6
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "UBICACION"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.3

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "AREA"
    Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "SERIE"
    Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "EQUIPO"

```

```
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2
```

```
Me.MSFlexGrid1.Col = 5
```

```
Me.MSFlexGrid1.Row = 0
```

```
Me.MSFlexGrid1.Text = "DESCRIPCION"
```

```
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.2
```

```
Set rs = cn.Execute("Select d.nomubica,e.nomarea,a.noserie,b.equdesc,c.descripcion  
from TRASLADO_DET a,EQUIPOS b,HARDWARE c,UBICACIONES  
d,UBICACION_AREA e where a.numtraslado=" & Trim(Me.txt_codigo) & " and  
a.codarea=e.codarea and d.codubica=e.codubica and a.noserie=c.noserie and  
c.equcod=b.equcod")
```

```
Do While rs.EOF = False
```

```
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
```

```
    Me.MSFlexGrid1.Col = 1
```

```
    Me.MSFlexGrid1.Text = rs!nomubica
```

```
    Me.MSFlexGrid1.Col = 2
```

```
    Me.MSFlexGrid1.Text = rs!nomarea
```

```
    Me.MSFlexGrid1.Col = 3
```

```
    Me.MSFlexGrid1.Text = rs!noserie
```

```
    Me.MSFlexGrid1.Col = 4
```

```
    Me.MSFlexGrid1.Text = rs!equdesc
```

```
    Me.MSFlexGrid1.Col = 5
```

```
    Me.MSFlexGrid1.Text = rs!descripcion
```

```
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
```

```
    rs.MoveNext
```

```
Loop
```

```
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
```

```
Me.SSTab2.tab = 1
```

```
Set rs = cn.Execute("Select count(*) as existe from equipo_x_ubicacion where noserie=" &  
& Trim(Me.txt_serie) & """)
```

```
ExisteEquipo = rs!existe
```

```
If ExisteEquipo = 1 Then
```

```
    Set rs = cn.Execute("select * from equipo_x_ubicacion where noserie=" &  
Trim(Me.txt_serie) & """)
```

```
    Area_Anterior = rs!codarea
```

```
    Set rs = cn.Execute("Update equipo_x_ubicacion set codarea=" & Trim(area) &  
",codarea_ant=" & Trim(Area_Anterior) & " where noserie=" & Trim(Me.txt_serie) &  
""")
```

```
Else
```

```
    Set rs = cn.Execute("Insert into equipo_x_ubicacion(noserie,codarea) values(" &  
Trim(Me.txt_serie) & ", " & Trim(area) & ")")
```

```
End If
```

```
End If
```

```

cn.Close

End Sub

Private Sub cmd_nuevo_Click()

Dim rs As New ADODB.Recordset

Conectar cn

Me.cmb_ubicacion.Clear
Set rs = cn.Execute("Select * From UBICACIONES")
Do While rs.EOF = False
    Me.cmb_ubicacion.AddItem rs!nomubica
    rs.MoveNext
Loop
cn.Close

botonguardar2 = True

End Sub

Private Sub MSFlexGrid1_Click()

Dim rs As ADODB.Recordset

Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
Me.MSFlexGrid1.Col = 3

Conectar cn

Set rs = cn.Execute("Select d.nomubica,e.nomarea,a.noserie,b.equdesc,c.descripcion from
TRASLADO_DET a,EQUIPOS b,HARDWARE c,UBICACIONES
d,UBICACION_AREA e where a.noserie=" & Trim(Me.MSFlexGrid1.Text) & " and
a.numtraslado=" & Trim(Me.txt_codigo) & " and a.codarea=e.codarea and
d.codubica=e.codubica and a.noserie=c.noserie and c.equcod=b.equcod")
Me.txt_serie = rs!noserie
Me.cmb_ubicacion = rs!nomubica
Me.cmb_area = rs!nomarea
Me.txt_equipo = rs!equdesc
Me.txt_descripcion = rs!descripcion
seriesel = rs!noserie

cn.Close

Me.SSTab2.tab = 0

```

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key

Case "cmd_nuevo":

Call genera_numero_traslado

Me.txt_fecha = Date

Conectar cn

Me.cmb_traslada.Clear

Me.cmb_autoriza.Clear

Set rs = cn.Execute("select * from usuarios")

Do While rs.EOF = False

Me.cmb_traslada.AddItem rs!nombre

Me.cmb_autoriza.AddItem rs!nombre

rs.MoveNext

Loop

cn.Close

BotonGuardar1 = True

Case "cmd_guardar":

If BotonGuardar1 = True Then

Conectar cn

Set rs = cn.Execute("Select * From USUARIOS Where nombre=" &
Trim(Me.cmb_traslada) & """)

Traslada = rs!UserName

Set rs = cn.Execute("Select * From USUARIOS Where nombre=" &
Trim(Me.cmb_autoriza) & """)

Autoriza = rs!UserName

Set rs = cn.Execute("Insert Into TRASLADO_HEADER Values(" &
Trim(Me.txt_codigo) & "," & Trim(Me.txt_fecha) & "," & Trim(Traslada) & "," &
Trim(Autoriza) & "," & Trim(Me.txt_motivo) & """)

MsgBox "Registro agregado exitosamente.", vbInformation + vbOKOnly

cn.Close

End If

Case "cmd_buscar":

busqueda = InputBox("Ingrese el numero de traslado:")

Conectar cn

Set rs = cn.Execute("Select
a.numtraslado,a.fechatraslado,a.usercod,a.autoriza,a.motivo From TRASLADO_HEADER
a Where a.numtraslado=" & Trim(busqueda) & """)

Me.txt_codigo = rs!numtraslado

Me.txt_fecha = rs!fechatraslado

Me.txt_motivo = rs!motivo

Traslada = rs!usercod

```

Autoriza = rs!Autoriza
Set rs = cn.Execute("Select * from usuarios where username=" & Trim(Traslada) &
""")
Me.cmb_traslada = rs!nombre
Set rs = cn.Execute("Select * from usuarios where username=" & Trim(Autoriza) &
""")
Me.cmb_autoriza = rs!nombre

Me.MSFlexGrid1.Clear
Me.MSFlexGrid1.Rows = 2
Me.MSFlexGrid1.Cols = 6
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.04

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "UBICACION"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.3

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "AREA"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.2

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "SERIE"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.15

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "EQUIPO"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.2

Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "DESCRIPCION"
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.2

Set rs = cn.Execute("Select d.nomubica,e.nomarea,a.noserie,b.equdesc,c.descripcion
from TRASLADO_DET a,EQUIPOS b,HARDWARE c,UBICACIONES
d,UBICACION_AREA e where a.numtraslado=" & Trim(Me.txt_codigo) & "" and
a.codarea=e.codarea and d.codubica=e.codubica and a.noserie=c.noserie and
c.equcod=b.equcod")

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1

```

```

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!nomubica
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nomarea
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!noserie
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!equDESC
    Me.MSFlexGrid1.Col = 5
    Me.MSFlexGrid1.Text = rs!descripcion
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
Me.SSTab2.tab = 1
cn.Close
Case "cmd_eliminar":
    verifica = MsgBox("Esta seguro de eliminar el registro?", vbCritical + vbYesNo)
    If verifica = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Delete from traslado_det where numtraslado=" &
Trim(Me.txt_codigo) & """)
        Set rs = cn.Execute("Delete from traslado_header where numtraslado=" &
Trim(Me.txt_codigo) & """)
        MsgBox "Registro eliminado exitosamente", vbInformation + vbOKOnly
        Me.txt_codigo = ""
        Me.txt_fecha = ""
        Me.txt_motivo = ""
        Me.cmb_autoriza = ""
        Me.cmb_traslada = ""
        Me.MSFlexGrid1.Clear
        cn.Close
    End If
Case "cmd_editar":
    BotonGuardar1 = False
Case "cmd_salir":
    Unload Me
End Select

End Sub

Private Function genera_numero_traslado()

Dim rs As New ADODB.Recordset

Conectar cn

```

```

Set rs = cn.Execute("Select count(numtraslado) as cuenta_cuantos From
TRASLADO_HEADER")

If rs!cuenta_cuantos = 0 Then
    Me.txt_codigo = "TR0001"
Else
    Set rs = cn.Execute("select max(numtraslado) as maximo1 from
TRASLADO_HEADER")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)

    Select Case longitud
        Case Is = 1
            Codigo_TRAS = "TR000" & Trim(Str(maximo2))
            Me.txt_codigo = Codigo_TRAS
        Case Is = 2
            Codigo_TRAS = "TR00" & Trim(Str(maximo2))
            Me.txt_codigo = Codigo_TRAS
        Case Is = 3
            Codigo_TRAS = "TR0" & Trim(Str(maximo2))
            Me.txt_codigo = Codigo_TRAS
        Case Is = 4
            Codigo_TRAS = "TR" & Trim(Str(maximo2))
            Me.txt_codigo = Codigo_TRAS
        Case Else
            MsgBox "No hay mas codigos por dar, contactar con Gerente de Tecnologia... :)"
    End Select
End If

cn.Close

End Function

Private Sub txt_serie_LostFocus()

Dim rs As New ADODB.Recordset

Conectar cn

Set rs = cn.Execute("select a.equdesc,b.descripcion From EQUIPOS a, HARDWARE b
Where a.equcod=b.equcod and b.noserie="" & Trim(Me.txt_serie) & """)
Me.txt_equipo = rs!equdesc
Me.txt_descripcion = rs!descripcion
cn.Close

```

End Sub

Formulario de Reparaciones

The screenshot shows a software application window titled "Formulario de Reparaciones". At the top, there is a menu bar with icons and labels for "Nuevo", "Guardar", "Editar", "Eliminar", "Buscar", "Imprimir", and "Salir". Below the menu bar, the main window is divided into three tabs: "Info. Reparación" (selected), "Historial", and "Gráfica". The "Info. Reparación" tab contains several input fields: "No. Reparación" (text box), "Fecha" (text box), "Serie Equipo" (text box), "Descripción" (text box), "Categoria Motivo" (dropdown menu), "Motivo" (text box with vertical scroll bars), and "Procedimiento" (text box with vertical scroll bars). On the right side of the form, there is a "Usuario" label and a text box.

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Private Sub cmd_2d_Click()
```

```
Me.MSChart1.chartType = VtChChartType2dBar
```

```
End Sub
```

```
Private Sub cmd_3d_Click()
```

```
Me.MSChart1.chartType = VtChChartType3dBar
```

```
End Sub
```

```
Private Sub cmd_calcular_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select count(distinct CodCategoria)as Cuenta From  
REPARACIONES")
```

```
Cuantas_Leyendas = rs!cuenta
```

```
Set rs = Nothing
```

```
Me.MSChart1.ColumnCount = Cuantas_Leyendas
```

```
Set rs = cn.Execute("Select B.Categoria as Categoria,count(A.CodCategoria) as Cuenta2  
From REPARACIONES A, CATEGORIAS B Where A.CodCategoria=B.CodCategoria  
Group By B.Categoria")
```

```
For i = 1 To Cuantas_Leyendas
```

```
    Me.MSChart1.Column = i
```

```
    Me.MSChart1.ColumnLabel = rs!categoria
```

```
    Me.MSChart1.Data = rs!cuenta2
```

```
    rs.MoveNext
```

```
Next i
```

```
cn.Close
```

```
End Sub
```

```
Private Sub cmd_vergrafica_Click()
```

```
Me.SSTab1.tab = 2
```

```
End Sub
```

```
Private Sub Command1_Click()
```

```
Me.MSChart1.chartType = VtChChartType2dBar
```

```
End Sub
```

```
Private Sub Command2_Click()
```

```
Me.MSChart1.chartType = VtChChartType2dPie
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Dim rs As New ADODB.Recordset
```

```
Iniciar_barra Me
```

```
Me.SSTab1.tab = 0
```

Conectar cn

```
Set rs = cn.Execute("Select count(distinct CodCategoria)as Cuenta From REPARACIONES")
```

```
Cuantas_Leyendas = rs!cuenta
```

```
Set rs = Nothing
```

```
Me.MSChart1.ColumnCount = Cuantas_Leyendas
```

```
Set rs = cn.Execute("Select B.Categoria as Categoria,count(A.CodCategoria) as Cuenta2 From REPARACIONES A, CATEGORIAS B Where A.CodCategoria=B.CodCategoria Group By B.Categoria")
```

```
For i = 1 To Cuantas_Leyendas
```

```
    Me.MSChart1.Column = i
```

```
    Me.MSChart1.ColumnLabel = rs!categoria
```

```
    Me.MSChart1.Data = rs!cuenta2
```

```
    rs.MoveNext
```

```
Next i
```

```
cn.Close
```

```
End Sub
```

```
Private Sub MSFlexGrid1_DblClick()
```

```
Dim rs As ADODB.Recordset
```

```
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
```

```
Me.MSFlexGrid1.Col = 1
```

```
Conectar cn
```

```
Set rs = cn.Execute("SELECT a.*,b.categoria,c.descripcion FROM REPARACIONES a, categorias b,hardware c WHERE idrep = " & Me.MSFlexGrid1.Text & " and a.codcategoria=b.codcategoria and a.noserie=c.noserie")
```

```
Me.txt_idrep = rs!idrep
```

```
Me.txt_serie = rs!noserie
```

```
Me.txt_desc = rs!descripcion
```

```
Me.txt_motivo = rs!motivo
```

```
Me.txt_procedimiento = rs!procedimiento
```

```
Me.txt_usuario = rs!usercod
```

```
Me.txt_fecha = rs!fecharep
```

```
Me.cmb_categoria.Text = rs!categoria
```

```
cn.Close
```

```

Me.SSTab1.tab = 0

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key
Case "cmd_nuevo":
    Conectar cn

    Me.cmb_categoria.Clear
    Set rs = cn.Execute("Select * From CATEGORIAS")
    Do While rs.EOF = False
        Me.cmb_categoria.AddItem rs!categoria
        rs.MoveNext
    Loop
    cn.Close

    Call genera_codigo_rep
    Me.txt_usuario = Usuario
    Me.txt_fecha = Date
    Me.cmb_categoria.Enabled = True
    Me.txt_serie.Locked = False
    Me.txt_motivo.Locked = False
    Me.txt_procedimiento.Locked = False

    Guardar_barra Me
Case "cmd_guardar":
    Conectar cn

    Set rs = cn.Execute("Select * From CATEGORIAS Where Categoria='" &
Trim(Me.cmb_categoria) & "'")
    categoria = rs!CodCategoria
    Set rs = Nothing

    Set rs = cn.Execute("Insert Into REPARACIONES Values('" & Trim(Me.txt_idrep) &
"', '" & Trim(Me.txt_serie) & "', '" & Trim(Me.txt_fecha) & "', '" & Trim(Me.txt_motivo) &
"', '" & Trim(Me.txt_procedimiento) & "', '" & Trim(Me.txt_usuario) & "', '" &
Trim(categoria) & "'")
    Me.cmb_categoria.Enabled = False
    Me.txt_serie.Locked = True
    Me.txt_motivo.Locked = True
    Me.txt_procedimiento.Locked = True

```

```
Set rs = cn.Execute("Update HARDWARE Set ultrep="" & Trim(Me.txt_fecha) & ""  
Where noserie="" & Trim(Me.txt_serie) & """)
```

```
MsgBox "Reparacion " & Me.txt_idrep & " ingresada exitosamente.", vbOKOnly +  
vbInformation
```

```
Buscar_barra Me  
cn.Close  
Case "cmd_buscar"  
Buscar_barra Me  
serie = InputBox("No. de serie:")  
Conectar cn  
On Error GoTo errores:  
Set rs = cn.Execute("Select * from hardware where noserie="" & Trim(serie) & """)  
Me.Label8 = serie & " || " & rs!descripcion
```

```
Me.txt_serie = serie
```

```
Set rs = cn.Execute("Select count(distinct CodCategoria)as Cuenta From  
REPARACIONES Where NOSERIE="" & Trim(serie) & """)  
Cuantas_Leyendas = rs!cuenta  
Set rs = Nothing
```

```
Me.MSChart1.ColumnCount = Cuantas_Leyendas
```

```
Set rs = cn.Execute("Select B.Categoria as Categoria,count(A.CodCategoria) as  
Cuenta2 From REPARACIONES A, CATEGORIAS B Where A.NOSERIE="" &  
Trim(serie) & "" and A.CodCategoria=B.CodCategoria Group By B.Categoria")
```

```
For i = 1 To Cuantas_Leyendas  
Me.MSChart1.Column = i  
Me.MSChart1.ColumnLabel = rs!categoria  
Me.MSChart1.Data = rs!cuenta2  
rs.MoveNext  
Next i
```

```
Me.SSTab1.tab = 1
```

```
Set rs = cn.Execute("Select A.IDREP,a.fecharep,a.motivo,a.procedimiento,b.categoria  
From REPARACIONES a,CATEGORIAS B Where noserie="" & Trim(serie) & "" and  
a.codcategoria=b.codcategoria")
```

```
Me.MSFlexGrid1.Clear  
Me.MSFlexGrid1.Rows = 2  
Me.MSFlexGrid1.Cols = 6  
Me.MSFlexGrid1.FixedRows = 1  
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.03
```

```

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "IDREP"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.07

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "FECHA"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.1

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CATEGORIA"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.25

Me.MSFlexGrid1.Col = 4
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "MOTIVO"
Me.MSFlexGrid1.ColWidth(4) = Me.MSFlexGrid1.Width * 0.3

Me.MSFlexGrid1.Col = 5
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "PROCEDIMIENTO"
Me.MSFlexGrid1.ColWidth(5) = Me.MSFlexGrid1.Width * 0.3

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!idrep
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!fecharep
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!categoria
    Me.MSFlexGrid1.Col = 4
    Me.MSFlexGrid1.Text = rs!motivo
    Me.MSFlexGrid1.Col = 5
    Me.MSFlexGrid1.Text = rs!procedimiento
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1

cn.Close
Case "cmd_eliminar":
    verifica1 = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +
vbYesNo)

```

```

    If verifica1 = vbYes Then
        Conectar cn
        Set rs = cn.Execute("Delete from reparaciones where idrep=" &
Trim(Me.txt_idrep) & """)
        MsgBox "Eliminacion de reparacion " & Me.txt_idrep & " exitosa.", vbOKOnly +
vbInformation
        Me.MSFlexGrid1.Clear
        Me.txt_idrep = ""
        Me.txt_usuario = ""
        Me.txt_fecha = ""
        Me.cmb_categoria = ""
        Me.txt_serie = ""
        Me.txt_desc = ""
        Me.txt_motivo = ""
        Me.txt_procedimiento = ""
        cn.Close
    End If
    Case "cmd_imprimir":
        If Me.txt_serie = "" Then
            Load frm_preview_reparaciones
            frm_preview_reparaciones.Show
        Else
            Load frm_preview_reparaciones2
            frm_preview_reparaciones2.Show
        End If
    Case "cmd_salir":
        Unload Me

End Select

Exit Sub

errores:

cn.Close

End Sub

Private Function genera_codigo_rep()
    Dim rs As New ADODB.Recordset

    Conectar cn

    Set rs = cn.Execute("Select count(idrep) as cuenta_cuantos From reparaciones")

    If rs!cuenta_cuantos = 0 Then
        Me.txt_idrep = "R00001"
    End If
End Function

```

```

Else
    Set rs = cn.Execute("select max(idrep) as maximo1 from reparaciones")
    maximo2 = Mid(rs!maximo1, 4, 3)
    maximo2 = Val(maximo2) + 1
    longitud = Len(maximo2)

    Select Case longitud
        Case Is = 1
            Codigo_REP = "R0000" & Trim(Str(maximo2))
            Me.txt_idrep = Codigo_REP
        Case Is = 2
            Codigo_REP = "R000" & Trim(Str(maximo2))
            Me.txt_idrep = Codigo_REP
        Case Is = 3
            Codigo_REP = "R00" & Trim(Str(maximo2))
            Me.txt_idrep = Codigo_REP
        Case Is = 4
            Codigo_REP = "R0" & Trim(Str(maximo2))
            Me.txt_idrep = Codigo_REP
        Case Is = 5
            Codigo_REP = "R" & Trim(Str(maximo2))
            Me.txt_idrep = Codigo_REP
        Case Else
            MsgBox "No hay mas codigos por dar, con Gerente de Tecnologia... :)"
    End Select
End If

cn.Close
End Function

Private Sub txt_serie_LostFocus()

Dim rs As New ADODB.Recordset

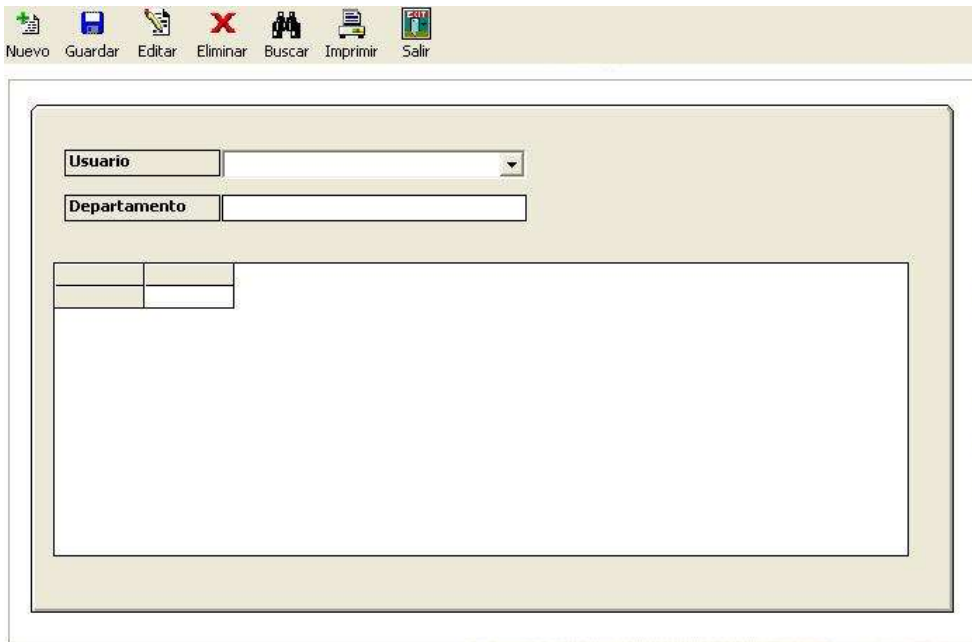
Conectar cn

Set rs = cn.Execute("Select descripcion from hardware where noserie="" &
Trim(Me.txt_serie) & """)
Me.txt_desc = rs!descripcion

cn.Close
End Sub

```

Formulario de Software por Usuario



Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Dim botonguardar As Boolean
```

```
Dim seleccionado As String
```

```
Private Sub cmb_usuario_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Conectar cn
```

```
Set rs = cn.Execute("select a.departamento from departamentos a,puestos b where  
a.coddepto=b.jobdepto and jobdesc=" & Trim(Me.cmb_usuario) & """)
```

```
Me.txt_departamento = rs!departamento
```

```
cn.Close
```

```
End Sub
```

```
Private Sub Command1_Click()
```

```
Me.List2.AddItem Me.List1.List(Me.List1.ListIndex)
```

```
Me.List1.RemoveItem Me.List1.ListIndex
```

```
End Sub
```

```
Private Sub Command2_Click()
```

```
Me.List1.AddItem Me.List2.List(seleccionado)
Me.List2.RemoveItem seleccionado
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Me.Command1.Visible = False
Me.Command2.Visible = False
Me.List1.Visible = False
Me.List2.Visible = False
```

```
End Sub
```

```
Private Sub List2_Click()
```

```
seleccionado = Me.List2.ListIndex
```

```
End Sub
```

```
Private Sub MSFlexGrid1_DblClick()
```

```
Dim rs As New ADODB.Recordset
```

```
Me.MSFlexGrid1.Visible = False
Me.Command1.Visible = True
Me.Command2.Visible = True
Me.List1.Visible = True
Me.List2.Visible = True
```

```
Conectar cn
```

```
Me.MSFlexGrid1.Row = Me.MSFlexGrid1.RowSel
Me.MSFlexGrid1.Col = 2
```

```
Set rs = cn.Execute("select d.jobdesc,b.departamento,c.nomsoft from software_x_usuario
a,departamentos b,software c,puestos d where d.jobdesc="" & Trim(Me.MSFlexGrid1.Text)
& "" and a.codigo=d.jobcod and d.jobdepto=b.coddepto and a.codsoft=c.codsoft")
```

```
Me.List2.Clear
```

```
Do While rs.EOF = False
```

```
    Me.cmb_usuario.Text = rs!jobdesc
    Me.txt_departamento = rs!departamento
    Me.List2.AddItem rs!nomsoft
    rs.MoveNext
```

```
Loop
```

```

cn.Close

End Sub

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)

Dim rs As New ADODB.Recordset

Select Case Button.Key
Case "cmd_nuevo":
    botonguardar = True
    Conectar cn
    Me.List1.Clear
    Set rs = cn.Execute("Select * from software")
    Do While rs.EOF = False
        Me.List1.AddItem rs!nomsoft
        rs.MoveNext
    Loop
    Me.cmb_usuario.Clear
    Set rs = cn.Execute("select * from puestos")
    Do While rs.EOF = False
        Me.cmb_usuario.AddItem rs!jobdesc
        rs.MoveNext
    Loop
    cn.Close
    Me.MSFlexGrid1.Visible = False
    Me.Command1.Visible = True
    Me.Command2.Visible = True
    Me.List1.Visible = True
    Me.List2.Visible = True
Case "cmd_guardar":
    If botonguardar = True Then
        Conectar cn
        Set rs = cn.Execute("select * from puestos where jobdesc=" &
Trim(Me.cmb_usuario) & """)
        seluser = rs!jobcod
        For i = 0 To (Val(Me.List2.ListCount) - 1)
            Set rs = cn.Execute("Select * from software where nomsoft=" &
Trim(Me.List2.List(i)) & """)
            softcodigo = rs!codsoft
            Set rs = cn.Execute("Insert into software_x_usuario values(" & Trim(seluser) &
",," & Trim(softcodigo) & ")")
        Next i
        MsgBox "Registro ingresado exitosamente", vbInformation + vbOKOnly
        Me.MSFlexGrid1.Visible = True
        Me.Command1.Visible = False
        Me.Command2.Visible = False
    End If
End Case
End Select

```

```

Me.List1.Visible = False
Me.List2.Visible = False
Me.MSFlexGrid1.Clear
Me.MSFlexGrid1.Rows = 2
Me.MSFlexGrid1.Cols = 3
Me.MSFlexGrid1.FixedRows = 1
Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

```

```

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "CODSOFT"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

```

```

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "SOFTWARE"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.7

```

```

Set rs = cn.Execute("Select B.CODSOFT,B.NOMSOFT From
SOFTWARE_x_USUARIO A,SOFTWARE B WHERE A.CODSOFT=B.CODSOFT
AND CODIGO='" & Trim(seluser) & "'")

```

```

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!codsoft
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nomsoft
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext

```

```

Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
cn.Close

```

```

Else
    Conectar cn
    Set rs = cn.Execute("select * from puestos where jobdesc='" &
Trim(Me.cmb_usuario) & "'")
    seluser1 = rs!jobcod
    Set rs = cn.Execute("delete from software_x_usuario where codigo='" &
Trim(seluser1) & "'")
    Set rs = Nothing
    Set rs = cn.Execute("select * from puestos where jobdesc='" &
Trim(Me.cmb_usuario) & "'")
    seluser = rs!jobcod
    For i = 0 To (Val(Me.List2.ListCount) - 1)
        Set rs = cn.Execute("Select * from software where nomsoft='" &
Trim(Me.List2.List(i)) & "'")

```

```

        softcodigo = rs!codsoft
        Set rs = cn.Execute("Insert into software_x_usuario values('" & Trim(seluser) &
        "','" & Trim(softcodigo) & "')")
    Next i
    MsgBox "Registro actualizado exitosamente", vbInformation + vbOKOnly
    Me.MSFlexGrid1.Visible = True
    Me.Command1.Visible = False
    Me.Command2.Visible = False
    Me.List1.Visible = False
    Me.List2.Visible = False
    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 3
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "CODSOFT"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "SOFTWARE"
    Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.7

    Set rs = cn.Execute("Select B.CODSOFT,B.NOMSOF From
SOFTWARE_x_USUARIO A,SOFTWARE B WHERE A.CODSOFT=B.CODSOFT
AND CODIGO='" & Trim(seluser) & "'")

    Do While rs.EOF = False
        Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
        Me.MSFlexGrid1.Col = 1
        Me.MSFlexGrid1.Text = rs!codsoft
        Me.MSFlexGrid1.Col = 2
        Me.MSFlexGrid1.Text = rs!nomsoft
        Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
        rs.MoveNext
    Loop
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
    cn.Close
End If
Case "cmd_eliminar":
    verifica = MsgBox("Esta seguro que desea eliminar el registro?", vbCritical +
vbYesNo)
    If verifica = vbYes Then
        Conectar cn

```

```

        Set rs = cn.Execute("select * from puestos where jobdesc=" &
Trim(Me.cmb_usuario) & """)
        seluser1 = rs!jobcod
        Set rs = cn.Execute("delete from software_x_usuario where codigo=" &
Trim(seluser1) & """)
        MsgBox "Eliminacion de registro satisfactoria", vbInformation + vbOKOnly
        Me.MSFlexGrid1.Clear
        Me.List1.Clear
        Me.List2.Clear
        Me.cmb_usuario.Clear
        Me.txt_departamento = ""
        Me.MSFlexGrid1.Visible = True
        Me.Command1.Visible = False
        Me.Command2.Visible = False
        Me.List1.Visible = False
        Me.List2.Visible = False
        cn.Close
    End If
    Case "cmd_editar":
        botonguardar = False
        Conectar cn
        Set rs = cn.Execute("SELECT NOMSOFT FROM SOFTWARE WHERE NOMSOFT
NOT IN(SELECT b.nomsoft FROM software_x_usuario a,software b,PUESTOS C where
a.codsoft=b.codsoft AND A.CODIGO=C.JOBCOD AND C.JOBDESC=" &
Trim(Me.cmb_usuario) & """)
        Me.List1.Clear
        Do While rs.EOF = False
            Me.List1.AddItem rs!nomsoft
            rs.MoveNext
        Loop
        cn.Close
    Case "cmd_buscar":
        busqueda = InputBox("Ingrese el puesto:")
        Conectar cn
        Set rs = cn.Execute("Select distinct b.departamento,a.jobdesc from puestos
a,departamentos b,software_x_usuario c where a.jobdepto=b.coddepto and a.jobdesc like
'" & Trim(busqueda) & "' and c.codigo=a.jobcod")
        Me.MSFlexGrid1.Visible = True
        Me.Command1.Visible = False
        Me.Command2.Visible = False
        Me.List1.Visible = False
        Me.List2.Visible = False
        Me.MSFlexGrid1.Clear
        Me.MSFlexGrid1.Rows = 2
        Me.MSFlexGrid1.Cols = 3
        Me.MSFlexGrid1.FixedRows = 1
        Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

```

```

Me.MSFlexGrid1.Col = 1
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "DEPARTAMENTO"
Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.25

Me.MSFlexGrid1.Col = 2
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "PUESTO"
Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.25

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!departamento
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!jobdesc
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
cn.Close
Case "cmd_imprimir":
    Load frm_preview_softwareusuario
    frm_preview_softwareusuario.Show
Case "cmd_salir":
    Unload Me
End Select

End Sub

```

Formulario de Proyectos

SGDTI . Principal - [SGDTI . Proyectos]

Archivo Proveeduría y Control Soporte Técnico Inventario Proyectos Gerencia Seguridad Ayuda

Nuevo Guardar Editar Eliminar Buscar Imprimir Salir

Info. Proyecto Tabla

Código:

Nombre:

Descripción:

Responsable: Ana Gloria Martinez

Depto. Beneficiado: CONTABILIDAD

Fecha inicio: 01/09/2004

Fecha entrega: 01/09/2004

Info. Actividad Tabla

Código:

Nombre:

Descripción:

Fecha inicio: 01/09/2004

Fecha entrega: 01/09/2004

Responsable: Ana Gloria Martinez

USER: SA

Codigo Fuente

```
Private Sub cmb_depto_beneficiado_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Dim sql As String
```

```
sql = "SELECT departamento FROM DEPARTAMENTOS WHERE coddepto = '" & _  
Me.cmb_depto_beneficiado.Text & "'"
```

```
If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
```

```
If Not rs.EOF Then Me.txt_depto_beneficiado.Text = rs!departamento
```

```
End If
Cerrar_rs rs
End Sub
```

```
Private Sub cmb_responsable_Click()
Dim rs As New ADODB.Recordset
Dim sql As String

sql = "SELECT nombre FROM USUARIOS WHERE username = '" & _
Me.cmb_responsable.Text & "'"

If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
If Not rs.EOF Then Me.txt_responsable.Text = rs!nombre
End If
Cerrar_rs rs
End Sub
```

```
Private Sub cmb_ResponsableAct_Click()
Dim rs As New ADODB.Recordset
Dim sql As String

sql = "SELECT nombre FROM USUARIOS WHERE username = '" & _
Me.cmb_ResponsableAct.Text & "'"

If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
If Not rs.EOF Then Me.txt_responsableAct.Text = rs!nombre
End If
Cerrar_rs rs
End Sub
```

```
Private Sub cmd_busq_Click()
Dim rs As New ADODB.Recordset
Dim sql As String

sql = "SELECT a.cod_proy, a.nombre_proy, a.fecha_inicio, a.fecha_limite, " & _
"b.departamento FROM PROYECTOS AS a, DEPARTAMENTOS AS b " & _
"WHERE a.depto_beneficiado = b.coddepto"

Abrir_rs rs, sql, adOpenForwardOnly, adLockReadOnly
If Me.txt_busq.Text <> "" Then _
Filtrar_rs rs, "nombre_proy", Trim(Me.txt_busq.Text)

InicializarTab
ActualizarTab rs
Cerrar_rs rs
End Sub
```

```

Private Sub cmd_busq_det_Click()
    Dim rs As New ADODB.Recordset
    Dim sql As String

    sql = "SELECT a.cod_act, a.descripcion_act, a.fecha_inicio, a.fecha_limite, " & _
        "b.username FROM ACTIVIDADES AS a, USUARIOS AS b " & _
        "WHERE a.responsable = b.username AND a.cod_proy = '" & _
        Trim(Me.txt_codigo.Text) & "'"

    Abrir_rs rs, sql, adOpenForwardOnly, adLockReadOnly
    If Me.txt_busq_det.Text <> "" Then _
        Filtrar_rs rs, "descripcion_act", Trim(Me.txt_busq_det.Text)

    InicializarTabDet
    ActualizarTabDet rs
    Cerrar_rs rs
End Sub

Private Sub cmd_editar_Click()
    HabilitarBarraDet False
    Me.cmd_guardar.Enabled = True
    HabilitarDet True
    Me.cmd_guardar.Tag = 2
End Sub

Private Sub cmd_eliminar_Click()
    Dim resp As Integer

    If MsgBox("¿Está seguro que desea eliminar el registro?", _
        vbYesNo + vbQuestion, "Confirmación de la operación") = vbYes Then

        If Ejecutar_cm("sp_actividad", _
            "accion", 3, _
            "cod_act", Trim(Me.txt_codigoAct.Text)) = 1 Then
            HabilitarBarraDet False
            Me.cmd_nuevo.Enabled = True
            LimpiarDet
        End If
    End If
End Sub

Private Sub cmd_gantt_actividades_Click()
    Load frm_gantt_det

    With frm_gantt_det
        .Tag = Trim(Me.txt_codigo.Text)
        .Show
    End With
End Sub

```

```
End With  
End Sub
```

```
Private Sub cmd_gantt_proy_Click()  
    frm_gantt.Show  
End Sub
```

```
Private Sub cmd_guardar_Click()  
    If ValidarDet = True Then  
        If Me.cmd_guardar.Tag = 1 Then Me.txt_codigoAct.Text = _  
            genera_cod("ACTIVIDADES", "cod_act", "ACT")  
  
        If Ejecutar_cm("sp_actividad", _  
            "accion", Me.cmd_guardar.Tag, _  
            "cod_act", Trim(Me.txt_codigoAct.Text), _  
            "descripcion_act", Trim(Me.txt_nombreAct.Text), _  
            "cod_proy", Trim(Me.txt_codigo.Text), _  
            "observaciones", Trim(Me.txt_descripcionAct.Text), _  
            "fecha_inicio", Me.dtp_fecha_inicioAct.Value, _  
            "fecha_limite", Me.dtp_fecha_limiteAct.Value, _  
            "nivel_avance", 0, _  
            "reponsable", Trim(Me.cmb_ResponsableAct.Text)) = 1 Then  
            HabilitarBarraDet True  
            Me.cmd_guardar.Enabled = False  
            HabilitarDet False  
        End If  
    End If  
End Sub
```

```
Private Sub cmd_insertar_hw_Click()  
    Load frm_hardware_act  
  
    With frm_hardware_act  
        .Tag = Me.txt_codigoAct.Text  
        .Show vbModal  
    End With  
End Sub
```

```
Private Sub cmd_insertar_personal_Click()  
    Load frm_personal_act  
  
    With frm_personal_act  
        .Tag = Me.txt_codigoAct.Text  
        .Show vbModal  
    End With  
End Sub
```

```

Private Sub cmd_insertar_sw_Click()
    Load frm_software_act

    With frm_software_act
        .Tag = Me.txt_codigoAct.Text
        .Show vbModal
    End With
End Sub

```

```

Private Sub cmd_nuevo_Click()
    HabilitarBarraDet False
    Me.cmd_guardar.Enabled = True
    LimpiarDet
    HabilitarDet True
    Me.cmd_guardar.Tag = 1
End Sub

```

```

Private Sub Form_Load()
    ListarDepto
    ListarEmpl

    HabilitarBarra False
    With Me.Toolbar1
        .Buttons("cmd_nuevo").Enabled = True
        .Buttons("cmd_buscar").Enabled = True
        .Buttons("cmd_imprimir").Enabled = True
        .Buttons("cmd_salir").Enabled = True
    End With

    InicializarTab
    InicializarTabDet
    Limpiar
    Habilitar False
    HabilitarBarraDet False
End Sub

```

```

Private Sub tab_Db1Click()
    Dim sql As String

    With Me.tab
        .Col = 0
        .Row = Me.tab.RowSel
    End With

    sql = "SELECT a.*, b.nombre, c.departamento " & _
        "FROM PROYECTOS AS a, USUARIOS AS b, DEPARTAMENTOS AS c " & _
        "WHERE a.responsable = b.username AND " & _

```

```
"a.depto_beneficiado = c.coddepto AND a.cod_proy = "" & _  
Trim(Me.tab.Text) & """
```

```
Actualizar sql  
End Sub
```

```
Private Sub tab_det_DblClick()  
Dim sql As String
```

```
With Me.tab_det  
.Col = 0  
.Row = Me.tab_det.RowSel  
End With
```

```
sql = "SELECT a.*, b.nombre FROM ACTIVIDADES AS a, USUARIOS AS b " & _  
"WHERE a.responsable = b.username AND a.cod_act = "" & _  
Trim(Me.tab_det.Text) & """
```

```
ActualizarDet sql  
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)  
Dim sql As String  
Dim busq As String
```

```
Select Case Button.Key  
Case "cmd_nuevo"  
HabilitarBarra False  
HabilitarBarraDet False  
Me.Toolbar1.Buttons("cmd_guardar").Enabled = True  
Limpiar  
Habilitar True  
Case "cmd_guardar"  
If Validar = True Then  
If Button.Caption = "Actualizar" Then  
Button.Tag = 2 ' Actualizar el registro actual  
Else  
Button.Tag = 1 ' Insertar un nuevo registro  
Me.txt_codigo.Text = genera_cod("PROYECTOS", "cod_proy", "PRY")  
End If
```

```
Me.txt_codigo.Tag = Ejecutar_cm("sp_proy", _  
"accion", Button.Tag, _  
"cod_proy", Trim(Me.txt_codigo.Text), _  
"nombre_proy", Trim(Me.txt_nombre.Text), _  
"descripcion_proy", Trim(Me.txt_descripcion.Text), _  
"responsable", Me.cmb_responsable.Text, _
```

```

        "depto_beneficiado", Me.cmb_depto_beneficiado.Text, _
        "fecha_inicio", Me.dtp_fecha_inicio.Value, _
        "fecha_limite", Me.dtp_fecha_limite.Value, _
        "estado_proy", 1, _
        "nivel_avance", 0)
    If Val(Me.txt_codigo.Tag) <> 0 Then
        If Button.Caption = "Actualizar" Then Button.Caption = "Guardar"
        HabilitarBarra True
        Button.Enabled = False
        Habilitar False

        If Me.txt_codigoAct.Text <> "" Then
            HabilitarBarraDet True
            Me.cmd_guardar.Enabled = False
        Else
            HabilitarBarraDet False
            Me.cmd_nuevo.Enabled = True
        End If
    End If
End If
Case "cmd_editar"
    HabilitarBarra False
    HabilitarBarraDet False
    With Me.Toolbar1.Buttons("cmd_guardar")
        .Enabled = True
        .Caption = "Actualizar"
    End With
    Habilitar True
Case "cmd_eliminar"
    If MsgBox("Está seguro que desea eliminar el registro", _
        vbYesNo + vbCritical, "Confirmación de la operación") = vbYes Then
        ' Rutina de eliminación
        ' Escriba el nombre del procedimiento almacenado de eliminación
        ' y los parámetros acompañados de su valor
        If Ejecutar_cm("sp_proy", _
            "accion", 3, _
            "cod_proy", Val(Me.txt_codigo.Text)) <> 0 Then
            Limpiar
            Habilitar False
            HabilitarBarra False
            HabilitarBarraDet False
            With Me.Toolbar1
                .Buttons("cmd_nuevo").Enabled = True
                .Buttons("cmd_buscar").Enabled = True
                .Buttons("cmd_imprimir").Enabled = True
                .Buttons("cmd_salir").Enabled = True
            End With
        End If
    End If

```

```

        End If
    End If
    Case "cmd_buscar"
        busq = InputBox("Registro a buscar", "Búsqueda de registros")
        If busq <> "" Then
            sql = "SELECT a.*, b.nombre, c.departamento " & _
                "FROM PROYECTOS AS a, USUARIOS AS b, DEPARTAMENTOS AS c
" & _
                "WHERE a.responsable = b.username AND " & _
                "a.depto_beneficiado = c.coddepto AND a.cod_proy = " & _
                Trim(busq) & ""
            Actualizar sql
        End If
    Case "cmd_imprimir"

    Case "cmd_salir"
        Unload Me
    End Select
End Sub

Private Sub Limpiar()
    Dim ctrl As Control

    For Each ctrl In Me.Controls
        If TypeOf ctrl Is TextBox Then ctrl.Text = ""
        If TypeOf ctrl Is ComboBox Or ListBox Then
            If ctrl.ListCount > 0 Then
                ctrl.ListIndex = 0
            Else
                ctrl.Text = ""
            End If
        End If
    End For

    If TypeOf ctrl Is DTPicker Then ctrl.Value = Date
Next
End Sub

Private Sub HabilitarBarra(bnd As Boolean)
    Dim btn As Button

    For Each btn In Me.Toolbar1.Buttons
        btn.Enabled = bnd
    Next
End Sub

Private Sub Habilitar(bnd As Boolean)
    Dim ctrl As Control

```

```

For Each ctrl In Me.Controls
    If TypeOf ctrl Is TextBox Then ctrl.Locked = Not bnd
    If TypeOf ctrl Is ComboBox Or ListBox Then ctrl.Locked = Not bnd
    If TypeOf ctrl Is CheckBox Or OptionButton Then ctrl.Locked = Not bnd

    If TypeOf ctrl Is DTPicker Then ctrl.Enabled = bnd
Next

Me.txt_busq.Locked = False
Me.txt_depto_beneficiado.Locked = True
Me.txt_responsable.Locked = True

HabilitarDet False
End Sub

```

```

Private Function Validar() As Boolean
    ' Escriba Validar = False para devolver valores erroneos
    ' if me.Toolbar1.Buttons("cmd_guardar").Caption="Actualizar"

    Validar = True
End Function

```

```

Private Function ValidarDet() As Boolean

    ValidarDet = True
End Function

```

```

Private Sub tabEnc(ParamArray enc())
    Dim x As Variant, y As Integer

    y = 0
    With Me.tab
        .Clear
        .Rows = 2
        .Row = 0
    End With
    For Each x In enc
        If y + 1 > Me.tab.Cols Then Me.tab.Cols = y + 1

        With Me.tab
            .Col = y
            .Text = x
        End With
        y = y + 1
    Next

```

```
Next  
End Sub
```

```
Private Sub tabDet(ParamArray enc())  
    Dim x As Variant, y As Integer  
  
    y = 0  
    With Me.tab_det  
        .Clear  
        .Rows = 2  
        .Row = 0  
    End With  
    For Each x In enc  
        If y + 1 > Me.tab_det.Cols Then Me.tab_det.Cols = y + 1  
  
        With Me.tab_det  
            .Col = y  
            .Text = x  
        End With  
        y = y + 1  
    Next  
End Sub
```

```
Private Sub LimpiarDet()  
    Me.txt_codigoAct.Text = ""  
    Me.txt_nombreAct.Text = ""  
    Me.txt_descripcionAct.Text = ""  
    Me.dtp_fecha_inicioAct.Value = Date  
    Me.dtp_fecha_limiteAct.Value = Date  
    If Me.cmb_ResponsableAct.ListCount > 0 Then Me.cmb_ResponsableAct.ListIndex = 0  
End Sub
```

```
Private Sub HabilitarDet(bnd As Boolean)  
    Me.txt_codigoAct.Locked = Not bnd  
    Me.txt_nombreAct.Locked = Not bnd  
    Me.txt_descripcionAct.Locked = Not bnd  
    Me.dtp_fecha_inicioAct.Enabled = bnd  
    Me.dtp_fecha_limiteAct.Enabled = bnd  
    Me.cmb_ResponsableAct.Locked = Not bnd  
    Me.txt_responsableAct.Locked = True  
  
    Me.txt_busq_det.Locked = False  
End Sub
```

```
Private Sub HabilitarBarraDet(bnd As Boolean)  
    Me.cmd_nuevo.Enabled = bnd  
    Me.cmd_eliminar.Enabled = bnd
```

```

Me.cmd_editar.Enabled = bnd
Me.cmd_guardar.Enabled = bnd
End Sub

```

```

Private Sub ActualizarTab(rs As ADODB.Recordset)
    Dim i, j As Integer

    j = 1
    If rs.State = adStateOpen Then
        If rs.CursorType <> adOpenForwardOnly Then rs.MoveFirst
        Do While Not rs.EOF
            If j + 1 > Me.tab.Rows Then Me.tab.Rows = j + 1

            Me.tab.Row = j
            For i = 0 To Me.tab.Cols - 1
                With Me.tab
                    .Col = i
                    .Text = rs.Fields(i)
                End With
            Next
            j = j + 1
            rs.MoveNext
        Loop
    End If
End Sub

```

```

Private Sub ActualizarTabDet(rs As ADODB.Recordset)
    Dim i, j As Integer

    j = 1
    If rs.State = adStateOpen Then
        If rs.CursorType <> adOpenForwardOnly Then rs.MoveFirst
        Do While Not rs.EOF
            If j + 1 > Me.tab_det.Rows Then Me.tab_det.Rows = j + 1

            Me.tab_det.Row = j
            For i = 0 To Me.tab_det.Cols - 1
                With Me.tab_det
                    .Col = i
                    .Text = rs.Fields(i)
                End With
            Next
            j = j + 1
            rs.MoveNext
        Loop
    End If
End Sub

```

```

Private Sub Actualizar(sql As String)
    Dim rs As New ADODB.Recordset

    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        If Not rs.EOF Then
            Limpiar

            Me.txt_codigo.Text = rs!cod_proy
            Me.txt_nombre.Text = rs!nombre_proy
            Me.txt_descripcion.Text = rs!descripcion_proy
            Me.cmb_responsable.Text = rs!responsable
            Me.txt_responsable.Text = rs!nombre
            Me.cmb_depto_beneficiado.Text = rs!depto_beneficiado
            Me.txt_depto_beneficiado.Text = rs!departamento
            Me.dtp_fecha_inicio.Value = rs!fecha_inicio
            Me.dtp_fecha_limite.Value = rs!fecha_limite

            With Me.Toolbar1
                .Buttons("cmd_editar").Enabled = True
                .Buttons("cmd_eliminar").Enabled = True
            End With

            Me.SSTab1.tab = 0
            HabilitarBarraDet False
            Me.cmd_nuevo.Enabled = True
        End If
    End If
    Cerrar_rs rs
End Sub

```

```

Private Sub ActualizarDet(sql As String)
    Dim rs As New ADODB.Recordset

    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        If Not rs.EOF Then
            Me.txt_codigoAct.Text = rs!cod_act
            Me.txt_nombreAct.Text = rs!descripcion_act
            Me.txt_descripcionAct.Text = rs!observaciones
            Me.dtp_fecha_inicioAct.Value = rs!fecha_inicio
            Me.dtp_fecha_limiteAct.Value = rs!fecha_limite
            Me.cmb_ResponsableAct.Text = rs!responsable
            Me.txt_responsableAct.Text = rs!nombre

            Me.SSTab2.tab = 0
            HabilitarBarraDet True
            Me.cmd_guardar.Enabled = False
        End If
    End If
End Sub

```

```
End If
End If
End Sub
```

```
Private Sub InicializarTab()
```

```
tabEnc "Codigo", "Nombre", "Fecha inicio", "Fecha límite", "Depto. Beneficiado"
```

```
With Me.tab
```

```
.ColWidth(0) = Me.tab.Width * 0.1
```

```
.ColWidth(1) = Me.tab.Width * 0.3
```

```
.ColWidth(2) = Me.tab.Width * 0.1
```

```
.ColWidth(3) = Me.tab.Width * 0.1
```

```
.ColWidth(4) = Me.tab.Width * 0.37
```

```
End With
```

```
End Sub
```

```
Private Sub InicializarTabDet()
```

```
tabDet "Codigo", "Nombre", "Fecha inicio", "Fecha límite", "Responsable"
```

```
With Me.tab_det
```

```
.ColWidth(0) = Me.tab_det.Width * 0.1
```

```
.ColWidth(1) = Me.tab_det.Width * 0.3
```

```
.ColWidth(2) = Me.tab_det.Width * 0.1
```

```
.ColWidth(3) = Me.tab_det.Width * 0.1
```

```
.ColWidth(4) = Me.tab_det.Width * 0.37
```

```
End With
```

```
End Sub
```

```
Private Sub ListarDepto()
```

```
Dim rs As New ADODB.Recordset
```

```
If Abrir_rs(rs, "SELECT coddepto FROM DEPARTAMENTOS", adOpenForwardOnly,
```

```
—
```

```
adLockReadOnly) = adStateOpen Then
```

```
Do While Not rs.EOF
```

```
Me.cmb_depto_beneficiado.AddItem rs!coddepto
```

```
rs.MoveNext
```

```
Loop
```

```
End If
```

```
Cerrar_rs rs
```

```
End Sub
```

```
Private Sub ListarEmpl()
```

```
Dim rs As New ADODB.Recordset
```

```
If Abrir_rs(rs, "SELECT username FROM USUARIOS", adOpenForwardOnly, _
```

```
adLockReadOnly) = adStateOpen Then
```

```
Do While Not rs.EOF
```

```
Me.cmb_responsable.AddItem rs!UserName
```

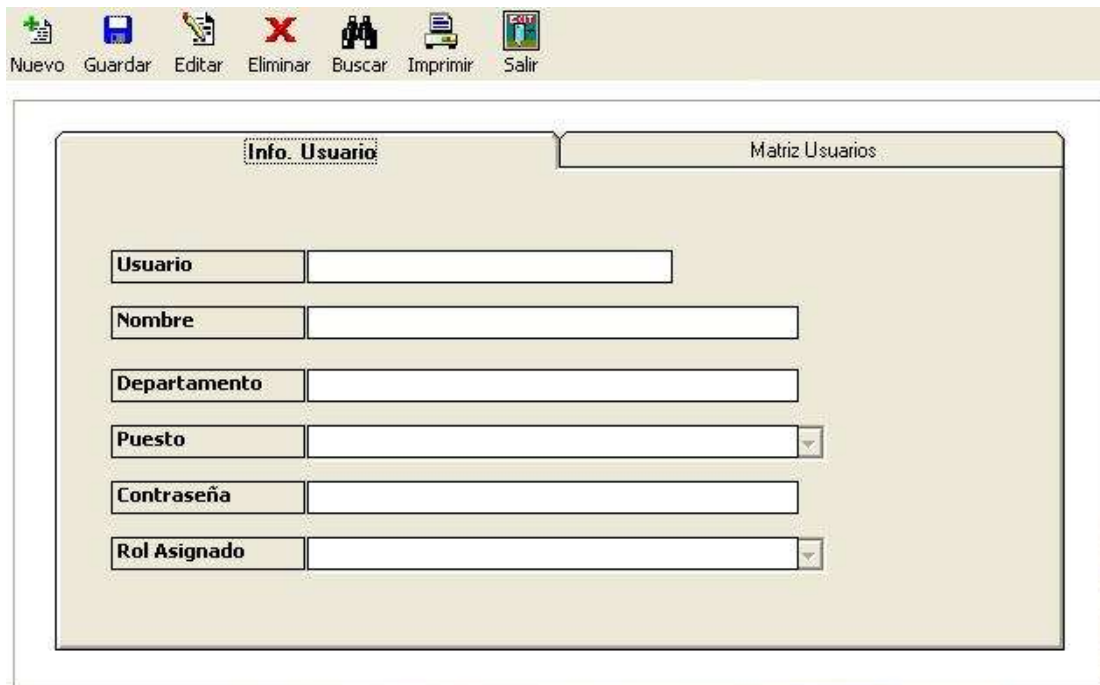
```

        Me.cmb_ResponsableAct.AddItem rs!UserName
        rs.MoveNext
    Loop
End If
Cerrar_rs rs
End Sub

Private Sub txt_codigo_Change()
    If Me.txt_codigo.Text <> "" Then
        Me.cmd_gantt_actividades.Enabled = True
    Else
        Me.cmd_gantt_actividades.Enabled = False
    End If
End Sub

```

Formulario de Usuarios



The screenshot shows a software interface for user management. At the top, there is a menu bar with the following items: Nuevo (New), Guardar (Save), Editar (Edit), Eliminar (Delete), Buscar (Search), Imprimir (Print), and Salir (Exit). Below the menu bar is a window titled "Info. Usuario" with a tab labeled "Matriz Usuarios". The main area of the window contains a form with the following fields:

- Usuario: Text input field
- Nombre: Text input field
- Departamento: Text input field
- Puesto: Dropdown menu
- Contraseña: Text input field
- Rol Asignado: Dropdown menu

Codigo Fuente

```
Dim cn As New ADODB.Connection
```

```
Private Sub cmb_job_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Me.txt_job = Me.cmb_job
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select a.jobcod,b.departamento From PUESTOS  
a,DEPARTAMENTOS b Where a.jobdesc="" & Trim(Me.txt_job) & "" and  
a.jobdepto=b.coddepto")
```

```
Me.Text1 = rs!jobcod
```

```
Me.txt_depto = rs!departamento
```

```
cn.Close
```

```
End Sub
```

```
Private Sub cmb_rol_Click()
```

```
Dim rs As New ADODB.Recordset
```

```
Me.txt_rol = Me.cmb_rol
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Me.cmb_rol.AddItem "GERENCIA"
```

```
Me.cmb_rol.AddItem "MANTENIMIENTO"
```

```
Me.cmb_rol.AddItem "PROVEEDURIA"
```

```
Me.cmb_rol.AddItem "SUPERVISORES"
```

```
Me.cmb_rol.AddItem "USUARIOS"
```

```
End Sub
```

```
Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
```

```
Dim rs As New ADODB.Recordset
```

```
Select Case Button.Key
```

```
Case "cmd_nuevo":
```

```
Conectar cn
```

```
Set rs = cn.Execute("Select * From PUESTOS")
```

```
Me.cmb_job.Clear
```

```
Do While rs.EOF = False
```

```
Me.cmb_job.AddItem rs!jobdesc
```

```
rs.MoveNext
```

```
Loop
```

```
Set rs = Nothing
```

```
Me.txt_username.Enabled = True
```

```
Me.txt_nombre.Enabled = True
```

```

Me.cmb_job.Enabled = True
Me.cmb_rol.Enabled = True
Me.txt_passw.Enabled = True
cn.Close
Case "cmd_guardar":
    Conectar cn
    Set rs = cn.Execute("Insert Into USUARIOS Values(" & Trim(Me.txt_username) &
    "," & Trim(Me.txt_nombre) & "," & Trim(Me.Text1) & "," & Trim(Me.txt_passw) &
    "," & Trim(Me.txt_rol) & ")")
    cn.Execute "EXEC sp_addlogin " & Me.txt_username & "," & Me.txt_passw &
    ", 'GESTION'"
    cn.Execute "EXEC sp_grantdbaccess " & Me.txt_username
    cn.Execute "EXEC sp_addrolemember " & Me.cmb_rol & "," & Me.txt_username &
    ""

    verifica_pass = InputBox("Por favor ingrese su contraseña nuevamente.",
    "Verificación de contraseña")
    MsgBox "Usuario " & Me.txt_username & " ingresado exitosamente.", vbInformation
    + vbOKOnly, "Ingreso de usuario."
    Me.txt_username.Enabled = False
    Me.txt_passw.Enabled = False
    Me.cmb_job.Enabled = False
    Me.cmb_rol.Enabled = False
    Me.txt_nombre.Enabled = False

    Set rs = cn.Execute("Select * from usuarios")

    Me.MSFlexGrid1.Clear
    Me.MSFlexGrid1.Rows = 2
    Me.MSFlexGrid1.Cols = 4
    Me.MSFlexGrid1.FixedRows = 1
    Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "USERNAME"
    Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "NOMBRE"
    Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.3

    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Row = 0
    Me.MSFlexGrid1.Text = "ROL"
    Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.3

```

```

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!UserName
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nombre
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!usertip
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
cn.Close
Case "cmd_eliminar":
    respuesta = MsgBox("¿Esta seguro que desea eliminar el usuario " &
Me.txt_username & "?", vbYesNo + vbCritical)
    If respuesta = vbYes Then
        Conectar cn
        cn.Execute "EXEC sp_dropuser " & Me.txt_username & ""
        cn.Close
        Conectar cn
        Set rs = cn.Execute("Delete From USUARIOS Where username="" &
Trim(Me.txt_username) & """)
        cn.Execute "EXEC sp_droplogin " & Me.txt_username & ""
        Me.txt_username.Enabled = False
        Me.txt_passw.Enabled = False
        Me.cmb_job.Enabled = False
        Me.cmb_rol.Enabled = False
        Me.txt_nombre.Enabled = False

        Set rs = cn.Execute("Select * from usuarios")

        Me.MSFlexGrid1.Clear
        Me.MSFlexGrid1.Rows = 2
        Me.MSFlexGrid1.Cols = 4
        Me.MSFlexGrid1.FixedRows = 1
        Me.MSFlexGrid1.ColWidth(0) = Me.MSFlexGrid1.Width * 0.07

        Me.MSFlexGrid1.Col = 1
        Me.MSFlexGrid1.Row = 0
        Me.MSFlexGrid1.Text = "USERNAME"
        Me.MSFlexGrid1.ColWidth(1) = Me.MSFlexGrid1.Width * 0.15

        Me.MSFlexGrid1.Col = 2
        Me.MSFlexGrid1.Row = 0
        Me.MSFlexGrid1.Text = "NOMBRE"
        Me.MSFlexGrid1.ColWidth(2) = Me.MSFlexGrid1.Width * 0.3

```

```

Me.MSFlexGrid1.Col = 3
Me.MSFlexGrid1.Row = 0
Me.MSFlexGrid1.Text = "ROL"
Me.MSFlexGrid1.ColWidth(3) = Me.MSFlexGrid1.Width * 0.3

Do While rs.EOF = False
    Me.MSFlexGrid1.Row = Me.MSFlexGrid1.Row + 1
    Me.MSFlexGrid1.Col = 1
    Me.MSFlexGrid1.Text = rs!UserName
    Me.MSFlexGrid1.Col = 2
    Me.MSFlexGrid1.Text = rs!nombre
    Me.MSFlexGrid1.Col = 3
    Me.MSFlexGrid1.Text = rs!usertip
    Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows + 1
    rs.MoveNext
Loop
Me.MSFlexGrid1.Rows = Me.MSFlexGrid1.Rows - 1
cn.Close
End If
Case "cmd_buscar":
    searchstring = InputBox("Usuario a buscar:", "Busqueda")
    Conectar cn
    'On Error GoTo error_busqueda:
    Set rs = cn.Execute("Select * From USUARIOS Where username Like '%" &
searchstring & "%'")
    Me.txt_username = rs!UserName
    cn.Close
Case "cmd_salir":
    Unload Me
End Select

End Sub

```

Formulario de Diagrama de Gantt

SGDTI . Principal - [SGDTI . Diagrama de Gantt Proyectos]														
Archivo Proveduria y Control Soporte Técnico Inventario Proyectos Gerencia Seguridad Ayuda														
Codigo	Nombre	Días	Agosto 2004				Septiembre 2004				Octubre 2004			
			1	2	3	4	1	2	3	4	1	2	3	4
PRY0001	Creacion de triggers.	31												
PRY0002	Instalacion de red DDJ Ciudad Delgado	80												

Codigo Fuente

Private Sub Form_Load()

Dim rs As New ADODB.Recordset

Dim sql As String

Dim i, j, k, n As Integer

Dim mes(1 To 12) As String

Dim fecha_inicio As Date

mes(1) = "Enero"

mes(2) = "Febrero"

mes(3) = "Marzo"

mes(4) = "Abril"

mes(5) = "Mayo"

mes(6) = "Junio"

mes(7) = "Julio"

mes(8) = "Agosto"

mes(9) = "Septiembre"

mes(10) = "Octubre"

mes(11) = "Noviembre"

mes(12) = "Diciembre"

```
sql = "SELECT MIN(fecha_inicio) AS fecha_inicio, " & _
      "YEAR(MIN(fecha_inicio)) AS anio_inicio, " & _
      "MONTH(MIN(fecha_inicio)) AS mes_inicio, " & _
      "DATEDIFF(month, MIN(fecha_inicio), MAX(fecha_limite)) + 1 AS meses " & _
      "FROM PROYECTOS"
```

If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then

If Not rs.EOF Then

If IsDate(rs!fecha_inicio) Then

fecha_inicio = rs!fecha_inicio

With Me.tab_graf

.Cols = (rs!meses * 4) + 3

.Rows = 3

```

.ColWidth(0) = Me.tab_graf.Width * 0.1
.ColWidth(1) = Me.tab_graf.Width * 0.4
.ColWidth(2) = Me.tab_graf.Width * 0.05
.MergeCells = flexMergeRestrictRows
.MergeRow(0) = True
.Row = 1
.Col = 0
.Text = "Codigo"
.Col = 1
.Text = "Nombre"
.Col = 2
.Text = "Días"
End With

i = rs!anio_inicio
j = rs!mes_inicio
n = 1
For k = 3 To Me.tab_graf.Cols - 1
    With Me.tab_graf
        .Row = 0
        .Col = k
        .Text = mes(j) & " " & Str(i)
        .Row = 1
        .Text = n
        .ColWidth(k) = 350
    End With

    If n = 4 Then
        n = 1
        If j = 12 Then
            j = 1
            i = i + 1
        Else
            j = j + 1
        End If
    Else
        n = n + 1
    End If
Next
Else
Exit Sub
End If
End If
End If
Cerrar_rs rs

sql = "SELECT cod_proy, nombre_proy, nivel_avance, " & _

```

```
"DATEDIFF(day, fecha_inicio, fecha_limite) AS dias, DATEDIFF(month, " & _
"fecha_inicio, fecha_limite) * 4 - DAY(fecha_inicio) / 7 + " & _
"DAY(fecha_limite) / 7 AS semanas, DATEDIFF(month, "" & _
Format(fecha_inicio, "dd/mm/yyyy") & _
"", fecha_inicio) * 4 + DAY(fecha_inicio) / 7 AS val, " & _
"DATEDIFF(day, GETDATE(), fecha_limite) AS faltante " & _
"FROM PROYECTOS"
```

```
i = 2
```

```
If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
```

```
Do While Not rs.EOF
```

```
With Me.tab_graf
```

```
.Row = i
```

```
.Col = 0
```

```
.Text = rs!cod_proy
```

```
.Col = 1
```

```
.Text = rs!nombre_proy
```

```
.Col = 2
```

```
.Text = rs!dias
```

```
End With
```

```
j = Abs(rs!Val) + 3
```

```
For k = j To rs!semanas + j - 1
```

```
Me.tab_graf.Col = k
```

```
If rs!nivel_avance = 100 Then
```

```
Me.tab_graf.CellBackColor = &H80FF80
```

```
Else
```

```
If rs!faltante >= 0 Then
```

```
Me.tab_graf.CellBackColor = &HFF8080
```

```
Else
```

```
Me.tab_graf.CellBackColor = &H8080FF
```

```
End If
```

```
End If
```

```
Next
```

```
i = i + 1
```

```
If Me.tab_graf.Rows < i + 1 Then Me.tab_graf.Rows = i + 1
```

```
rs.MoveNext
```

```
Loop
```

```
Me.tab_graf.Rows = Me.tab_graf.Rows - 1
```

```
End If
```

```
Cerrar_rs rs
```

```
End Sub
```

```
Private Sub Form_Resize()
```

```
With Me.tab_graf
```

```
.Left = 0
```

```

        .Top = 0
        .Height = Me.Height - 400
        .Width = Me.Width - 120
    End With
End Sub

Private Sub Form_Unload(Cancel As Integer)
    Unload frm_detalle
End Sub

Private Sub tab_graf_DblClick()
    Dim rs As New ADODB.Recordset
    Dim sql As String

    With Me.tab_graf
        .Col = 0
        .Row = Me.tab_graf.RowSel
    End With

    sql = "SELECT nivel_avance, DATEDIFF(day, GETDATE(), fecha_limite) AS " & _
        "faltante FROM PROYECTOS WHERE cod_proy = " & Me.tab_graf.Text & """"

    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        Load frm_detalle

        If Me.WindowState = vbMaximized Then
            With frm_detalle
                .Left = Me.tab_graf.ColPos(3) + 25
                .Top = Me.tab_graf.RowPos(Me.tab_graf.RowSel) + 750
            End With
        Else
            With frm_detalle
                .Left = Me.tab_graf.ColPos(3) + 25 + Me.Left
                .Top = Me.tab_graf.RowPos(Me.tab_graf.RowSel) + 1150 + Me.Top
            End With
        End If

        If rs!nivel_avance < 100 Then
            If rs!faltante >= 0 Then
                frm_detalle.txt_estado.Text = "En progreso"
            Else
                frm_detalle.txt_estado.Text = "Atrasado"
            End If
        Else
            frm_detalle.txt_estado.Text = "Terminado"
        End If
    End If

```

```

    With frm_detalle
        .txt_codigo.Text = Me.tab_graf.Text
        .txt_nivel_avance.Text = rs!nivel_avance
        .Show
    End With
End If
End Sub

Private Sub Form_Activate()
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim i, j, k, n As Integer
    Dim mes(1 To 12) As String
    Dim fecha_inicio As Date

    mes(1) = "Enero"
    mes(2) = "Febrero"
    mes(3) = "Marzo"
    mes(4) = "Abril"
    mes(5) = "Mayo"
    mes(6) = "Junio"
    mes(7) = "Julio"
    mes(8) = "Agosto"
    mes(9) = "Septiembre"
    mes(10) = "Octubre"
    mes(11) = "Noviembre"
    mes(12) = "Diciembre"

    sql = "SELECT MIN(fecha_inicio) AS fecha_inicio, " & _
        "YEAR(MIN(fecha_inicio)) AS anio_inicio, " & _
        "MONTH(MIN(fecha_inicio)) AS mes_inicio, " & _
        "DATEDIFF(month, MIN(fecha_inicio), MAX(fecha_limite)) + 1 AS meses " & _
        "FROM ACTIVIDADES WHERE cod_proy = " & Me.Tag & """"

    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        If Not rs.EOF Then
            If IsDate(rs!fecha_inicio) Then
                fecha_inicio = rs!fecha_inicio

                With Me.tab_graf
                    .Cols = (rs!meses * 4) + 3
                    .Rows = 3
                    .ColWidth(0) = Me.tab_graf.Width * 0.1
                    .ColWidth(1) = Me.tab_graf.Width * 0.4
                    .ColWidth(2) = Me.tab_graf.Width * 0.05
                    .MergeCells = flexMergeRestrictRows
                    .MergeRow(0) = True
                End With
            End If
        End If
    End If
End Sub

```

```

        .Row = 1
        .Col = 0
        .Text = "Codigo"
        .Col = 1
        .Text = "Nombre"
        .Col = 2
        .Text = "Días"
    End With

    i = rs!anio_inicio
    j = rs!mes_inicio
    n = 1
    For k = 3 To Me.tab_graf.Cols - 1
        With Me.tab_graf
            .Row = 0
            .Col = k
            .Text = mes(j) & " " & Str(i)
            .Row = 1
            .Text = n
            .ColWidth(k) = 350
        End With

        If n = 4 Then
            n = 1
            If j = 12 Then
                j = 1
                i = i + 1
            Else
                j = j + 1
            End If
        Else
            n = n + 1
        End If
    Next
Else
    Exit Sub
End If
End If
Cerrar_rs rs

sql = "SELECT cod_act, descripcion_act, nivel_avance, " & _
      "DATEDIFF(day, fecha_inicio, fecha_limite) AS dias, DATEDIFF(month, " & _
      "fecha_inicio, fecha_limite) * 4 - DAY(fecha_inicio) / 7 + " & _
      "DAY(fecha_limite) / 7 AS semanas, DATEDIFF(month, " & _
      "Format(fecha_inicio, "dd/mm/yyyy") & _
      "\", fecha_inicio) * 4 + DAY(fecha_inicio) / 7 AS val, " & _

```

```
"DATEDIFF(day, GETDATE(), fecha_limite) AS faltante " & _  
"FROM ACTIVIDADES WHERE cod_proy = " & Me.Tag & ""
```

```
i = 2
```

```
If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
```

```
Do While Not rs.EOF
```

```
With Me.tab_graf
```

```
.Row = i
```

```
.Col = 0
```

```
.Text = rs!cod_act
```

```
.Col = 1
```

```
.Text = rs!descripcion_act
```

```
.Col = 2
```

```
.Text = rs!dias
```

```
End With
```

```
j = Abs(rs!Val) + 3
```

```
For k = j To rs!semanas + j - 1
```

```
Me.tab_graf.Col = k
```

```
If rs!nivel_avance = 100 Then
```

```
Me.tab_graf.CellBackColor = &H80FF80
```

```
Else
```

```
If rs!faltante >= 0 Then
```

```
Me.tab_graf.CellBackColor = &HFF8080
```

```
Else
```

```
Me.tab_graf.CellBackColor = &H8080FF
```

```
End If
```

```
End If
```

```
Next
```

```
i = i + 1
```

```
If Me.tab_graf.Rows < i + 1 Then Me.tab_graf.Rows = i + 1
```

```
rs.MoveNext
```

```
Loop
```

```
Me.tab_graf.Rows = Me.tab_graf.Rows - 1
```

```
End If
```

```
Cerrar_rs rs
```

```
End Sub
```

```
Private Sub Form_Resize()
```

```
With Me.tab_graf
```

```
.Left = 0
```

```
.Top = 0
```

```
.Height = Me.Height - 400
```

```
.Width = Me.Width - 120
```

```
End With
```

```
End Sub
```

```

Private Sub Form_Unload(Cancel As Integer)
    Unload frm_detalle_act
End Sub

Private Sub tab_graf_DblClick()
    Dim rs As New ADODB.Recordset
    Dim sql As String

    With Me.tab_graf
        .Col = 0
        .Row = Me.tab_graf.RowSel
    End With

    sql = "SELECT nivel_avance, DATEDIFF(day, GETDATE(), fecha_limite) AS " & _
        "faltante FROM ACTIVIDADES WHERE cod_act = " & Me.tab_graf.Text & ""

    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        Load frm_detalle_act

        If Me.WindowState = vbMaximized Then
            With frm_detalle_act
                .Left = Me.tab_graf.ColPos(3) + 25
                .Top = Me.tab_graf.RowPos(Me.tab_graf.RowSel) + 750
            End With
        Else
            With frm_detalle_act
                .Left = Me.tab_graf.ColPos(3) + 25 + Me.Left
                .Top = Me.tab_graf.RowPos(Me.tab_graf.RowSel) + 1150 + Me.Top
            End With
        End If

        If rs!nivel_avance < 100 Then
            If rs!faltante >= 0 Then
                frm_detalle_act.txt_estado.Text = "En progreso"
            Else
                frm_detalle_act.txt_estado.Text = "Atrasado"
            End If
        Else
            frm_detalle_act.txt_estado.Text = "Terminado"
        End If

        With frm_detalle_act
            .txt_codigo.Text = Me.tab_graf.Text
            .txt_nivel_avance.Text = rs!nivel_avance
            .Show
        End With
    End If

```



```

        "cod_act", Trim(Me.txt_cod.Text), _
        "cod_emp", Trim(Me.cmb_responsable.Text)) = 1 Then
    ActualizarTab
End If
End Sub

Private Sub cmd_guardar_Click()
    If Ejecutar_cm("sp_actividad_personal", _
        "accion", 1, _
        "cod_act", Trim(Me.txt_cod.Text), _
        "cod_emp", Trim(Me.cmb_responsable.Text)) = 1 Then
        Habilitar True
        ActualizarTab
    End If
End Sub

Private Sub cmd_nuevo_Click()
    Habilitar False
End Sub

Private Sub cmd_salir_Click()
    Unload Me
End Sub

Private Sub ActualizarTab()
    Dim rs As New ADODB.Recordset
    Dim sql As String

    EncTab

    sql = "SELECT a.username, a.nombre FROM USUARIOS AS a,
ACTIVIDADES_PERSONAL " & _
        "AS b WHERE b.cod_act = " & Me.txt_cod.Text & " AND a.username = b.cod_emp"

    Me.tab.Row = Me.tab.Rows - 1
    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        If Not rs.EOF Then
            Do While Not rs.EOF
                With Me.tab
                    .Row = Me.tab.Rows - 1
                    .Col = 0
                    .Text = rs!UserName
                    .Col = 1
                    .Text = rs!nombre
                End With
                rs.MoveNext
            Loop
        End If
    End If
End Sub

```

```

        Me.tab.Rows = Me.tab.Rows + 1
    Loop
End If
End If
Cerrar_rs rs
End Sub

```

```

Private Sub EncTab()
    With Me.tab
        .Clear
        .Cols = 2
        .Rows = 2
        .Row = 0
        .Col = 0
        .Text = "Codigo"
        .Col = 1
        .Text = "Nombre"
        .ColWidth(0) = Me.tab.Width * 0.3
        .ColWidth(1) = Me.tab.Width * 0.6
    End With
End Sub

```

```

Private Sub Form_Activate()
    Dim rs As New ADODB.Recordset
    Dim sql As String

    sql = "SELECT cod_act, descripcion_act FROM ACTIVIDADES WHERE cod_act = "
    & _
        Me.Tag & """"
    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        If Not rs.EOF Then
            Me.txt_cod.Text = rs!cod_act
            Me.txt_nombre.Text = rs!descripcion_act
        End If
    End If
    Cerrar_rs rs

    ActualizarTab
End Sub

```

```

Private Sub Form_Load()
    Dim rs As New ADODB.Recordset
    Dim sql As String

    sql = "SELECT username, nombre FROM USUARIOS"
    If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
        Do While Not rs.EOF

```

```

        Me.cmb_responsable.AddItem rs!UserName
        Me.txt_responsable.Text = rs!nombre
        rs.MoveNext
    Loop
End If
Cerrar_rs rs

If Me.cmb_responsable.ListCount > 0 Then Me.cmb_responsable.ListIndex = 0

Habilitar True
End Sub

Private Sub Habilitar(bnd As Boolean)
    Me.cmd_nuevo.Enabled = bnd
    Me.cmd_eliminar.Enabled = bnd
    Me.cmd_guardar.Enabled = Not bnd
    Me.cmb_responsable.Locked = bnd
    Me.txt_responsable.Locked = bnd
End Sub

Private Sub tab_Click()
    With Me.tab
        .Row = Me.tab.RowSel
        .Col = 0
    End With
    Me.cmb_responsable.Text = Me.tab.Text

    Me.tab.Col = 1
    Me.txt_responsable.Text = Me.tab.Text
End Sub

```

Formulario de Asignacion de Equipos

Codigo	Nombre	Cantidad
--------	--------	----------

Codigo:

Nombre:

Responsable:

Cantidad:

Codigo Fuente

```
Private Sub cmd_busq_Click()  
    If Me.txt_busq.Text <> "" Then  
  
        End If
```

```
End Sub
```

```
Private Sub Form_Activate()  
    Dim rs As New ADODB.Recordset  
    Dim sql As String  
  
    sql = "SELECT a.cod_proy, a.nombre_proy, a.descripcion_proy, " & _  
        "b.nombreusu, c.nomdepto, a.fecha_inicio, a.fecha_limite, " & _  
        "nivel_avance, DATEDIFF(day, GETDATE(), fecha_limite) AS " & _  
        "faltante FROM PROYECTOS AS a, USUARIOS AS b, DEPARTAMENTOS AS c  
" & _  
        "WHERE a.responsable = b.codusu AND " & _  
        "a.depto_beneficiado = c.coddepto AND a.cod_proy = " & _  
        Trim(Me.txt_codigo.Text) & ""
```

```

If Abrir_rs(rs, sql, adOpenForwardOnly, adLockReadOnly) = adStateOpen Then
  If Not rs.EOF Then
    Me.txt_nombre.Text = rs!nombre_proy
    Me.txt_descripcion.Text = rs!descripcion_proy
    Me.txt_responsable.Text = rs!nombreusu
    Me.txt_depto_beneficiado.Text = rs!nomdepto
    Me.txt_fecha_inicio.Text = rs!fecha_inicio
    Me.txt_fecha_limite.Text = rs!fecha_limite
    Me.txt_progreso.Text = rs!nivel_avance

    If rs!nivel_avance = 100 Then
      Me.txt_estado.Text = "Terminado"
    Else
      If rs!faltante > 0 Then
        Me.txt_estado.Text = "En progreso"
      Else
        Me.txt_estado.Text = "Atrasado"
      End If
    End If
  End If
End If
Cerrar_rs rs
End Sub

```

```

Private Sub Form_Load()
  HabilitarBarra False
  With Me.Toolbar1
    .Buttons("cmd_nuevo").Enabled = True
    .Buttons("cmd_buscar").Enabled = True
    .Buttons("cmd_imprimir").Enabled = True
    .Buttons("cmd_salir").Enabled = True
  End With

```

```

  Limpiar
  Habilitar False
End Sub

```

```

Private Sub Toolbar1_ButtonClick(ByVal Button As MSComctlLib.Button)
  Dim busq As String

  Select Case Button.Key
    Case "cmd_nuevo"
      HabilitarBarra False
      Me.Toolbar1.Buttons("cmd_guardar").Enabled = True
      Limpiar
      Habilitar True
    Case "cmd_guardar"

```

```

If Validar = True Then
  If Button.Caption = "Actualizar" Then
    ' Actualizar registro actual
    ' Escriba el nombre del procedimiento almacenado de actualización
    ' y los parámetros acompañados de su valor
    If Validar = True Then
      If Ejecutar_cm("") > 0 Then
        Button.Caption = "Guardar"
        HabilitarBarra True
        Habilitar False
      End If
    End If
  Else
    ' Insertar un nuevo registro
    ' Escriba el nombre del procedimiento almacenado de inserción
    ' y los parámetros acompañados de su valor
    If Validar = True Then
      If Ejecutar_cm("") > 0 Then
        HabilitarBarra True
        Habilitar False
      End If
    End If
  End If
End If
Case "cmd_editar"
  HabilitarBarra False
  With Me.Toolbar1.Buttons("cmd_guardar")
    .Enabled = True
    .Caption = "Actualizar"
  End With
  Habilitar True
Case "cmd_eliminar"
  If MsgBox("Está seguro que desea eliminar el registro", _
    vbYesNo + vbCritical, "Confirmación de la operación") = vbYes Then
    ' Rutina de eliminación
    ' Escriba el nombre del procedimiento almacenado de eliminación
    ' y los parámetros acompañados de su valor
    If Ejecutar_cm("") > 0 Then
      Limpiar
      Habilitar False
      HabilitarBarra False
      With Me.Toolbar1
        .Buttons("cmd_nuevo").Enabled = True
        .Buttons("cmd_buscar").Enabled = True
        .Buttons("cmd_imprimir").Enabled = True
        .Buttons("cmd_salir").Enabled = True
      End With
    End If
  End If

```

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        End If
    End If
    Case "cmd_buscar"
        busq = InputBox("Registro a buscar", "Búsqueda de registros")
        If busq <> "" Then

            End If
        Case "cmd_imprimir"

        Case "cmd_salir"
            Unload Me
        End Select
    End Sub

Private Sub Limpiar()
    Me.txt_codigoAct.Text = ""
    Me.txt_nombreAct.Text = ""
    Me.txt_descripcionAct.Text = ""
    Me.dtp_fecha_i.Value = Date
    Me.dtp_fecha_e.Value = Date
    If Me.cmb_responsable.ListCount > 0 Then Me.cmb_responsable.ListIndex = 0
End Sub

Private Sub HabilitarBarra(bnd As Boolean)
    Dim btn As Button

    For Each btn In Me.Toolbar1.Buttons
        btn.Enabled = bnd
    Next
End Sub

Private Sub Habilitar(bnd As Boolean)
    Me.txt_codigoAct.Locked = Not bnd
    Me.txt_nombreAct.Locked = Not bnd
    Me.txt_descripcionAct.Locked = Not bnd
    Me.dtp_fecha_i.Enabled = bnd
    Me.dtp_fecha_e.Enabled = bnd
    Me.cmb_responsable.Locked = Not bnd
End Sub

Private Function Validar() As Boolean
    ' Escriba Validar = False para devolver valores erroneos

    Validar = True
End Function

```