

SISTEMA DE CONTROL DE ACCESO PARA CONJUNTOS RESIDENCIALES

SAFEWARE COMPANY



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1 CREATE

1.1 Tabla TipoIdentificacion

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[TipoIdentificacion](
    [TipoIdentificacionId] [int] IDENTITY(1,1) NOT NULL,
    [Descripcion] [varchar](40) NOT NULL,
    [Estado] [bit] NULL,
    CONSTRAINT [PK_TiposdeD__C774CA7419F29AC9] PRIMARY KEY CLUSTERED
    (
        [TipoIdentificacionId] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

TipoIdentificacion			
	Column Name	Condensed Type	Nullable
?	TipoIdentificacionId	int	No
	Descripcion	varchar(40)	No
	Estado	bit	Yes

1.2 Tabla Persona

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Persona](
    [PersonaId] [int] IDENTITY(1,1) NOT NULL,
    [Nombres] [varchar](80) NOT NULL,
    [Apellidos] [varchar](80) NOT NULL,
    [TipoIdentificacion_TipoIdentificacionId] [int] NULL,
    [NumeroIdentificacion] [varchar](15) NULL,
    [Estado] [bit] NULL,
    CONSTRAINT [PK_Persona__7C34D3035CC07D37] PRIMARY KEY CLUSTERED
    (
        [PersonaId] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Persona			
	Column Name	Condensed Type	Nullable
?	PersonaId	int	No
	Nombres	varchar(80)	No
	Apellidos	varchar(80)	No
	TipoIdentificacion_TipoIdentificacionId	int	Yes
	NumeroIdentificacion	varchar(15)	Yes
	Estado	bit	Yes

1.3 Tabla TipoPersona

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[TipoPersona](
    [TipoPersonaId] [int] IDENTITY(1,1) NOT NULL,
    [Descripcion] [varchar](15) NOT NULL,
    CONSTRAINT [PK_TipoIndi__2D4459C898F320E5] PRIMARY KEY CLUSTERED
(
    [TipoPersonaId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

TipoPersona			
	Column Name	Condensed Type	Nullable
?	TipoPersonaId	int	No
	Descripcion	varchar(15)	No

1.4 Tabla Operacion

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Operacion](
    [OperacionId] [int] IDENTITY(1,1) NOT NULL,
    [Descripcion] [varchar](30) NOT NULL,
    CONSTRAINT [PK_Operacio__8A668AD76171A605] PRIMARY KEY CLUSTERED
(
    [OperacionId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Operacion			
	Column Name	Condensed Type	Nullable
?	OperacionId	int	No
	Descripcion	varchar(30)	No

1.5 Tabla Registro

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Persona](
    [PersonaId] [int] IDENTITY(1,1) NOT NULL,
    [Nombres] [varchar](80) NOT NULL,
    [Apellidos] [varchar](80) NOT NULL,
    [TipoIdentificacion_TipoIdentificacionId] [int] NULL,
    [NumeroIdentificacion] [varchar](15) NULL,
    [Estado] [bit] NULL,
    CONSTRAINT [PK_Persona__7C34D3035CC07D37] PRIMARY KEY CLUSTERED
(
    [PersonaId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Registro			
	Column Name	Condensed Type	Nullable
🔑	RegistroId	int	No
	Operacion_OperacionId	int	No
	TipoPersona_TipoPersonald	int	No
	Persona_Personald	int	No
	FechaRegistro	datetime	Yes
	Estado	bit	Yes

1.6 Tabla TipoVehiculo

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[TipoVehiculo](
    [TipoVehiculoId] [int] IDENTITY(1,1) NOT NULL,
    [Descripcion] [varchar](40) NOT NULL,
    [Estado] [bit] NULL,
    CONSTRAINT [PK_TiposVehiculo] PRIMARY KEY CLUSTERED
(
    [TipoVehiculoId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

TipoVehiculo			
	Column Name	Condensed Type	Nullable
🔑	TipoVehiculoId	int	No
	Descripcion	varchar(40)	No
	Estado	bit	Yes

1.7 Tabla Vehiculo

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Vehiculo](
    [Registro_RegistroId] [int] NOT NULL,
    [TipoVehiculo_TipoVehiculoId] [int] NOT NULL,
    [Placa] [varchar](10) NOT NULL,
    [DescripcionAdicional] [varchar](1000) NOT NULL,
    [Estado] [bit] NULL,
    CONSTRAINT [PK_Vehiculo] PRIMARY KEY CLUSTERED
    (
        [Registro_RegistroId] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

Vehiculo			
	Column Name	Condensed Type	Nullable
🔑	Registro_RegistroId	int	No
	TipoVehiculo_TipoVehiculoId	int	No
	Placa	varchar(10)	No
	DescripcionAdicional	varchar(1000)	No
	Estado	bit	Yes

1.8 Tabla Visita

```
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Visita](
    [Registro_RegistroId] [int] NOT NULL,
    [NumeroTorre] [int] NOT NULL,
    [NumeroApartamento] [int] NOT NULL,
    [TelefonoResidente] [varchar](20) NOT NULL,
    [Estado] [bit] NULL,
    CONSTRAINT [PK_Visita_1] PRIMARY KEY CLUSTERED
    (
        [Registro_RegistroId] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY] ON [PRIMARY]
) ON [PRIMARY]
GO
```

Visita			
	Column Name	Condensed Type	Nullable
🔑	Registro_RegistroId	int	No
	NumeroTorre	int	No
	NumeroApartamento	int	No
	TelefonoResidente	varchar(20)	No
	Estado	bit	Yes

2 ALTER

2.1 Inserción de valores por defecto

```
ALTER TABLE [dbo].[TipoIdentificacion] ADD CONSTRAINT [DF_TiposIdentificacion_Estado] DEFAULT ((1)) FOR [Estado]
GO

ALTER TABLE [dbo].[Persona] ADD CONSTRAINT [DF_Persona_Estado] DEFAULT ((1)) FOR [Estado]
GO

ALTER TABLE [dbo].[Registro] ADD CONSTRAINT [DF_Registro_FechaRegistro] DEFAULT (getdate()) FOR [FechaRegistro]
GO

ALTER TABLE [dbo].[Registro] ADD CONSTRAINT [DF_Registro_Estado_1] DEFAULT ((1)) FOR [Estado]
GO

ALTER TABLE [dbo].[TipoVehiculo] ADD CONSTRAINT [DF_TiposVehiculo_Estado] DEFAULT ((1)) FOR [Estado]
GO

ALTER TABLE [dbo].[Vehiculo] ADD CONSTRAINT [DF_Vehiculo_Estado_1] DEFAULT ((1)) FOR [Estado]
GO

ALTER TABLE [dbo].[Visita] ADD CONSTRAINT [DF_Apartment_Status] DEFAULT ((1)) FOR [Estado]
GO
```

2.2 Asociación de llaves foráneas con primarias

2.2.1 Persona - TipoIdentificacion

```
ALTER TABLE [dbo].[Persona] WITH CHECK ADD CONSTRAINT [FK_Persona_TipoIdentificacion] FOREIGN KEY([TipoIdentificacion_TipoIdentificacionId])
REFERENCES [dbo].[TipoIdentificacion] ([TipoIdentificacionId])
GO

ALTER TABLE [dbo].[Persona] CHECK CONSTRAINT [FK_Persona_TipoIdentificacion]
GO
```

2.2.2 Registro - Operacion

```
ALTER TABLE [dbo].[Registro] WITH CHECK ADD CONSTRAINT [FK_Registro_Operacion] FOREIGN KEY([Operacion_OperacionId])
REFERENCES [dbo].[Operacion] ([OperacionId])
GO

ALTER TABLE [dbo].[Registro] CHECK CONSTRAINT [FK_Registro_Operacion]
GO
```

2.2.3 Registro - TipoPersona

```
ALTER TABLE [dbo].[Registro] WITH CHECK ADD CONSTRAINT [FK_Registro_TipoPersona] FOREIGN KEY([TipoPersona_TipoPersonaId])
REFERENCES [dbo].[TipoPersona] ([TipoPersonaId])
GO

ALTER TABLE [dbo].[Registro] CHECK CONSTRAINT [FK_Registro_TipoPersona]
GO
```

2.2.4 Registro - Persona

```
ALTER TABLE [dbo].[Registro] WITH CHECK ADD CONSTRAINT [FK_Registro_Persona] FOREIGN KEY([Persona_PersonaId])
REFERENCES [dbo].[Persona] ([PersonaId])
GO

ALTER TABLE [dbo].[Registro] CHECK CONSTRAINT [FK_Registro_Persona]
GO
```

2.2.5 Vehiculo - TipoVehiculo

```
ALTER TABLE [dbo].[Vehiculo] WITH CHECK ADD CONSTRAINT [FK_Vehiculo_TipoVehiculo] FOREIGN KEY([TipoVehiculo_TipoVehiculoId])
REFERENCES [dbo].[TipoVehiculo] ([TipoVehiculoId])
GO

ALTER TABLE [dbo].[Vehiculo] CHECK CONSTRAINT [FK_Vehiculo_TipoVehiculo]
GO
```

2.2.6 Vehiculo - Registro

```
ALTER TABLE [dbo].[Vehiculo] WITH CHECK ADD CONSTRAINT [FK_Vehiculo_Registro] FOREIGN KEY([Registro_RegistroId])
REFERENCES [dbo].[Registro] ([RegistroId])
GO

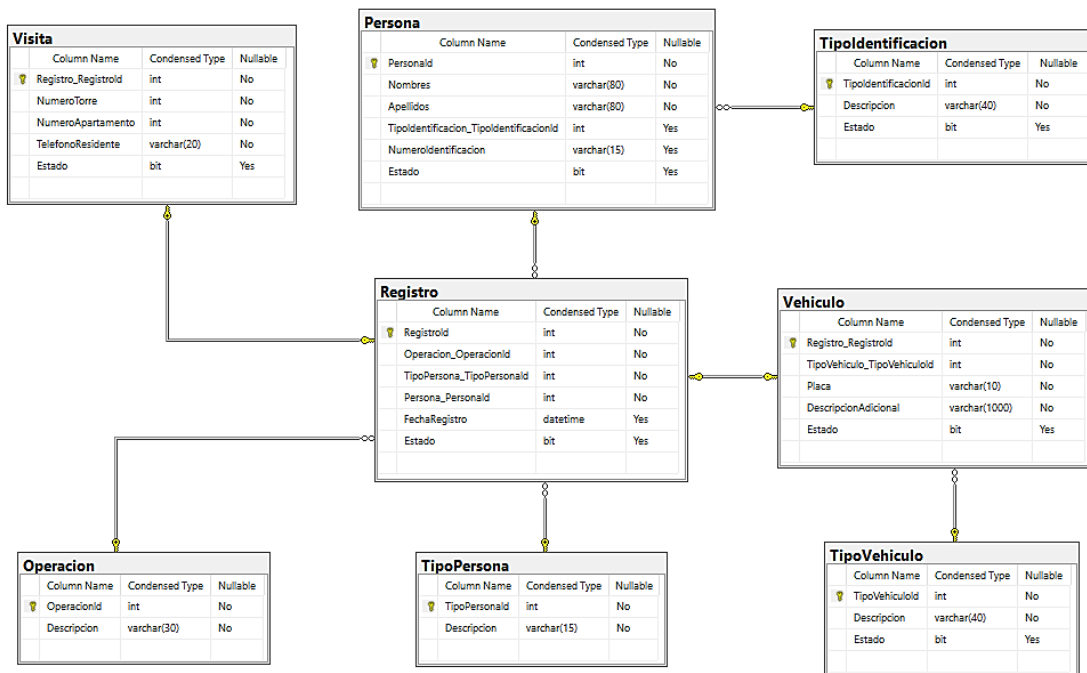
ALTER TABLE [dbo].[Vehiculo] CHECK CONSTRAINT [FK_Vehiculo_Registro]
GO
```

2.2.7 Visita - Registro

```
ALTER TABLE [dbo].[Visita] WITH CHECK ADD CONSTRAINT [FK_Visita_Registro] FOREIGN KEY([Registro_RegistroId])
REFERENCES [dbo].[Registro] ([RegistroId])
GO

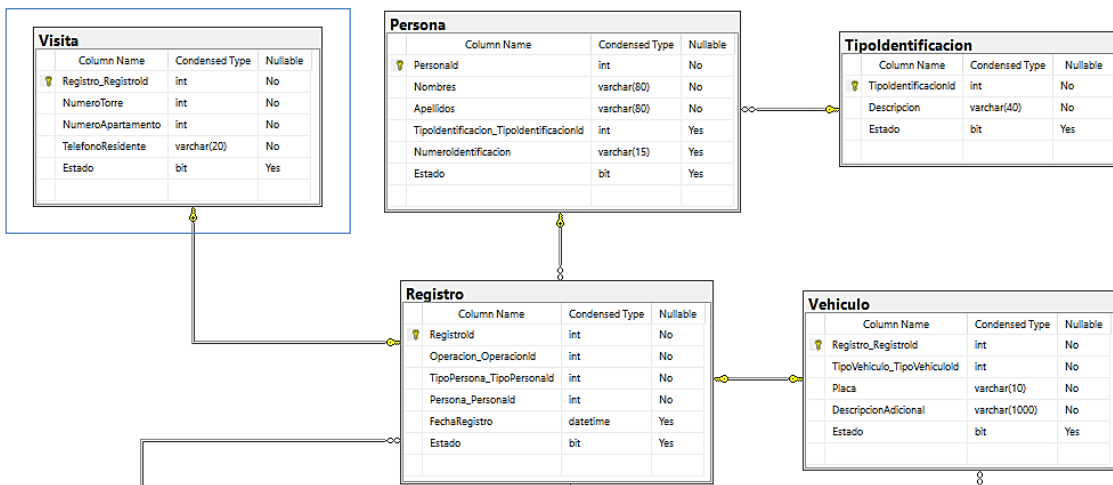
ALTER TABLE [dbo].[Visita] CHECK CONSTRAINT [FK_Visita_Registro]
GO
```


2.3 Diagrama relacional



3 DROP

3.1 Verificación de la tabla visita



3.2 Eliminación de la tabla visita

```
IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[Visita]') AND type in (N'U'))
DROP TABLE [dbo].[Visita]
GO
```

3.3 Comprobación de la eliminación

