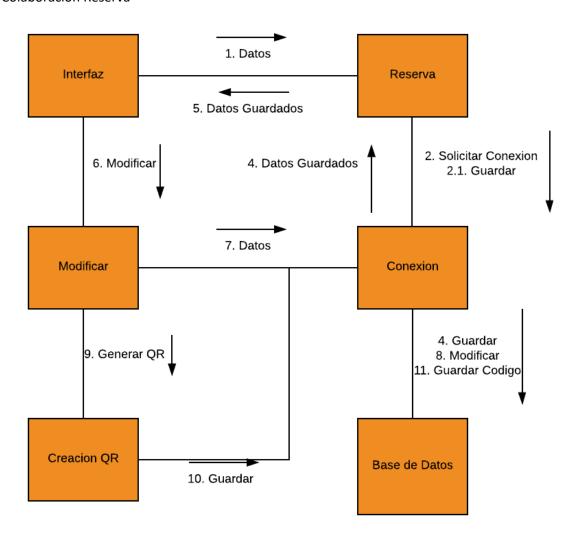
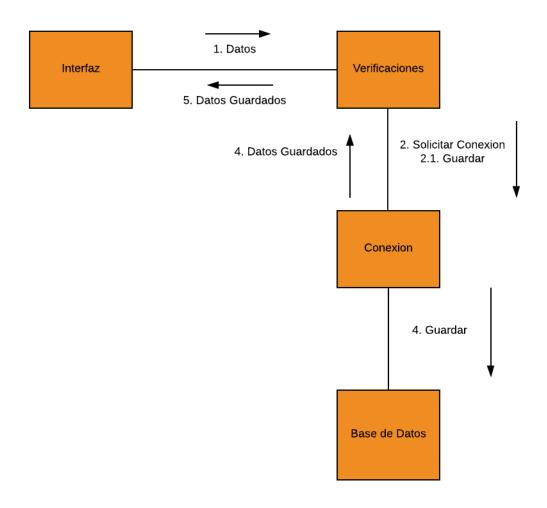
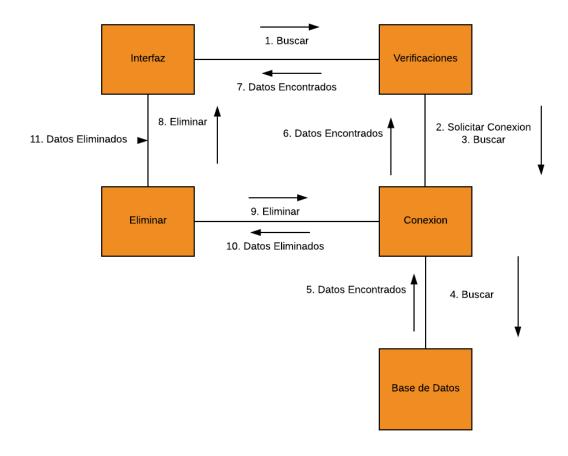


Colaboración Reserva

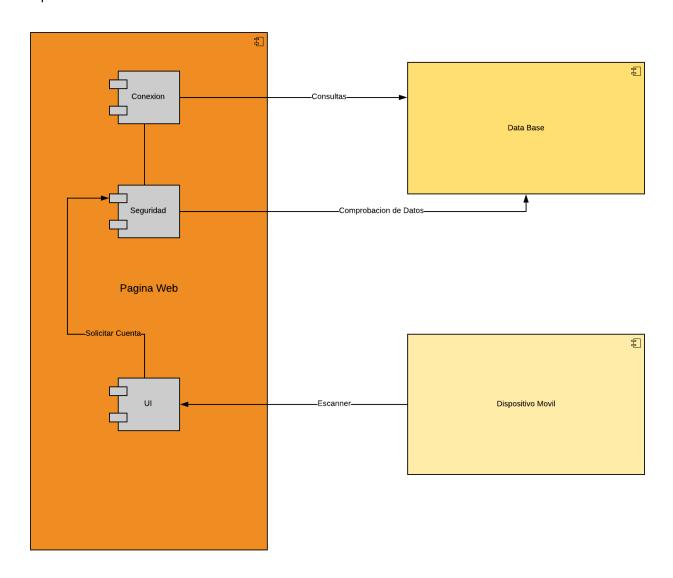




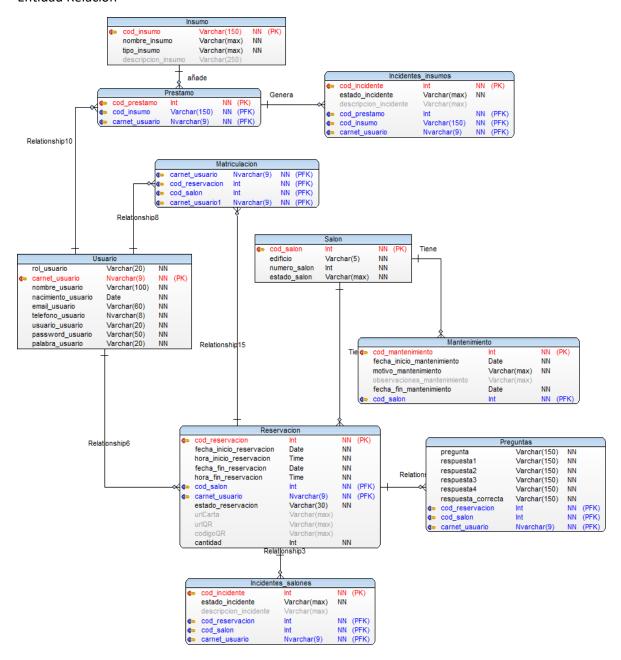
Colaboración Eliminar Usuario – Eliminar salón – Eliminar Insumo – Eliminar Reserva



Componentes



Entidad Relacion



```
Querys
Crear Tablas
Created: 3/09/2018
Modified: 14/10/2018
Model: Microsoft SQL Server 2017
Database: MS SQL Server 2017
*/
-- Create tables section -----
-- Table Salon
CREATE TABLE [Salon]
(
[cod_salon] Int IDENTITY(1,1) NOT FOR REPLICATION NOT NULL,
[edificio] Varchar(5) NOT NULL,
[numero_salon] Int NOT NULL,
[estado_salon] Varchar(max) NOT NULL
-- Add keys for table Salon
ALTER TABLE [Salon] ADD CONSTRAINT [Key1] PRIMARY KEY ([cod_salon])
-- Table Mantenimiento
```

```
CREATE TABLE [Mantenimiento]
[cod_mantenimiento] Int IDENTITY(1,1) NOT FOR REPLICATION NOT NULL,
[fecha_inicio_mantenimiento] Date NOT NULL,
[motivo_mantenimiento] Varchar(max) NOT NULL,
[observaciones_mantenimiento] Varchar(max) NULL,
[fecha_fin_mantenimiento] Date NOT NULL,
[cod_salon] Int NOT NULL
-- Add keys for table Mantenimiento
ALTER TABLE [Mantenimiento] ADD CONSTRAINT [Key2] PRIMARY KEY
([cod_mantenimiento],[cod_salon])
-- Table Reservacion
CREATE TABLE [Reservacion]
[cod_reservacion] Int IDENTITY(1,1) NOT NULL,
[fecha_inicio_reservacion] Date NOT NULL,
[hora_inicio_reservacion] Time NOT NULL,
[fecha_fin_reservacion] Date NOT NULL,
[hora_fin_reservacion] Time NOT NULL,
[cod_salon] Int NOT NULL,
[carnet_usuario] Nvarchar(9) NOT NULL,
[estado reservacion] Varchar(30) NOT NULL,
[urlCarta] Varchar(max) NULL,
```

```
[urlQR] Varchar(max) NULL,
[codigoQR] Varchar(max) NULL
-- Add keys for table Reservacion
ALTER TABLE [Reservacion] ADD CONSTRAINT [Key3] PRIMARY KEY
([cod_reservacion],[cod_salon],[carnet_usuario])
-- Table Preguntas
CREATE TABLE [Preguntas]
(
[pregunta] Varchar(150) NOT NULL,
[respuesta1] Varchar(150) NOT NULL,
[respuesta2] Varchar(150) NOT NULL,
[respuesta3] Varchar(150) NOT NULL,
[respuesta4] Varchar(150) NOT NULL,
[respuesta_correcta] Varchar(150) NOT NULL,
[cod_reservacion] Int NOT NULL,
[cod_salon] Int NOT NULL,
[carnet_usuario] Nvarchar(9) NOT NULL
)
-- Add keys for table Preguntas
ALTER TABLE [Preguntas] ADD CONSTRAINT [Key6] PRIMARY KEY
([cod_reservacion],[cod_salon],[carnet_usuario])
```

```
-- Table Matriculacion
CREATE TABLE [Matriculacion]
[carnet_usuario] Nvarchar(9) NOT NULL,
[cod_reservacion] Int NOT NULL,
[cod_salon] Int NOT NULL,
[carnet_usuario1] Nvarchar(9) NOT NULL
)
-- Add keys for table Matriculacion
ALTER TABLE [Matriculacion] ADD CONSTRAINT [Key9] PRIMARY KEY
([carnet_usuario],[cod_reservacion],[cod_salon],[carnet_usuario1])
-- Table Usuario
CREATE TABLE [Usuario]
[rol_usuario] Varchar(20) NOT NULL,
[carnet_usuario] Nvarchar(9) NOT NULL,
[nombre_usuario] Varchar(100) NOT NULL,
[nacimiento_usuario] Date NOT NULL,
[email_usuario] Varchar(60) NOT NULL,
[telefono_usuario] Nvarchar(8) NOT NULL,
[usuario_usuario] Varchar(20) NOT NULL,
[password_usuario] Varchar(50) NOT NULL,
```

```
[palabra_usuario] Varchar(20) NOT NULL
-- Add keys for table Usuario
ALTER TABLE [Usuario] ADD CONSTRAINT [Key11] PRIMARY KEY ([carnet_usuario])
-- Table Prestamo
CREATE TABLE [Prestamo]
(
[cod_prestamo] Int IDENTITY(1,1) NOT NULL,
[cod_insumo] Varchar(150) NOT NULL,
[carnet_usuario] Nvarchar(9) NOT NULL
-- Add keys for table Prestamo
ALTER TABLE [Prestamo] ADD CONSTRAINT [Key12] PRIMARY KEY
([cod_prestamo],[cod_insumo],[carnet_usuario])
-- Table Insumo
CREATE TABLE [Insumo]
(
[cod_insumo] Varchar(150) NOT NULL,
[nombre_insumo] Varchar(max) NOT NULL,
```

```
[tipo_insumo] Varchar(max) NOT NULL,
[descripcion_insumo] Varchar(250) NULL
-- Add keys for table Insumo
ALTER TABLE [Insumo] ADD CONSTRAINT [Key13] PRIMARY KEY ([cod_insumo])
-- Table Incidentes_insumos
CREATE TABLE [Incidentes_insumos]
[cod_incidente] Int IDENTITY(1,1) NOT NULL,
[estado_incidente] Varchar(max) NOT NULL,
[descripcion_incidente] Varchar(max) NULL,
[cod_prestamo] Int NOT NULL,
[cod_insumo] Varchar(150) NOT NULL,
[carnet_usuario] Nvarchar(9) NOT NULL
)
-- Add keys for table Incidentes_insumos
ALTER TABLE [Incidentes_insumos] ADD CONSTRAINT [Key14] PRIMARY KEY
([cod_incidente],[cod_prestamo],[cod_insumo],[carnet_usuario])
-- Table Incidentes_salones
```

CREATE TABLE [Incidentes_salones]
(
[cod_incidente] Int IDENTITY(1,1) NOT NULL,
[estado_incidente] Varchar(max) NOT NULL,
[descripcion_incidente] Varchar(max) NULL,
[cod_reservacion] Int NOT NULL,
[cod_salon] Int NOT NULL,
[carnet_usuario] Nvarchar(9) NOT NULL
)
Add keys for table Incidentes_salones
ALTER TABLE [Incidentes_salones] ADD CONSTRAINT [Key15] PRIMARY KEY
([cod_incidente],[cod_reservacion],[cod_salon],[carnet_usuario])
Create foreign keys (relationships) section
ALTER TABLE [Reservacion] ADD CONSTRAINT [Tiene] FOREIGN KEY ([cod_salon]) REFERENCES [Salon] ([cod_salon]) ON UPDATE NO ACTION ON DELETE NO ACTION
ALTER TABLE [Mantenimiento] ADD CONSTRAINT [Tiene] FOREIGN KEY ([cod_salon]) REFERENCES
[Salon] ([cod_salon]) ON UPDATE NO ACTION ON DELETE NO ACTION

ALTER TABLE [Prestamo] ADD CONSTRAINT [añade] FOREIGN KEY ([cod_insumo]) REFERENCES [Insumo] ([cod_insumo]) ON UPDATE NO ACTION ON DELETE NO ACTION
ALTER TABLE [Incidentes_insumos] ADD CONSTRAINT [Genera] FOREIGN KEY ([cod_prestamo], [cod_insumo], [carnet_usuario]) REFERENCES [Prestamo] ([cod_prestamo], [cod_insumo], [carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION
ALTER TABLE [Incidentes_salones] ADD CONSTRAINT [Relationship3] FOREIGN KEY ([cod_reservacion], [cod_salon], [carnet_usuario]) REFERENCES [Reservacion] ([cod_reservacion], [cod_salon], [carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION
ALTER TABLE [Reservacion] ADD CONSTRAINT [Relationship6] FOREIGN KEY ([carnet_usuario]) REFERENCES [Usuario] ([carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION
ALTER TABLE [Matriculacion] ADD CONSTRAINT [Relationship8] FOREIGN KEY ([carnet_usuario]) REFERENCES [Usuario] ([carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION
ALTER TABLE [Prestamo] ADD CONSTRAINT [Relationship10] FOREIGN KEY ([carnet_usuario]) REFERENCES [Usuario] ([carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION

ALTER TABLE [Preguntas] ADD CONSTRAINT [Relationship11] FOREIGN KEY ([cod_reservacion], [cod_salon], [carnet_usuario]) REFERENCES [Reservacion] ([cod_reservacion], [cod_salon], [carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION

ALTER TABLE [Matriculacion] ADD CONSTRAINT [Relationship15] FOREIGN KEY ([cod_reservacion], [cod_salon], [carnet_usuario1]) REFERENCES [Reservacion] ([cod_reservacion], [cod_salon], [carnet_usuario]) ON UPDATE NO ACTION ON DELETE NO ACTION