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-- Create Pooch Parlor Tables.sql
-- CIS 250
-- 10/28/2015
--This script will create all the tables for the Pooch Parlor

USE PoochParlor
GO

---------------- BEGIN TABLE CREATION SCRIPT --------------------------

 USE PoochParlor
GO

-- FIRST, DROP ALL FK CONSTRAINTS (Since they can prevent other drops)
-- FK constraints will be added at the end of the script, since PK constraints must be enable first

IF Object_ID('fkTreatment_Order_Order_Number') IS NOT NULL
ALTER TABLE Treatment
        DROP CONSTRAINT fkTreatment_Order_Order_Number

IF Object_ID('fkTreatment_Service_Service_ID') IS NOT NULL
ALTER TABLE Treatment
        DROP CONSTRAINT fkTreatment_Service_Service_ID

IF Object_ID('fkTreatment_Employee_Employee_ID') IS NOT NULL
ALTER TABLE Treatment
        DROP CONSTRAINT fkTreatment_Employee_Employee_ID

IF Object_ID('fkOrder_Customer_Customer_ID') IS NOT NULL
ALTER TABLE [Order]
        DROP CONSTRAINT fkOrder_Customer_Customer_ID

IF Object_ID('fkOrder_Location_Clinic_ID') IS NOT NULL
ALTER TABLE [Order]
        DROP CONSTRAINT fkOrder_Location_Clinic_ID

IF Object_ID('fkOrder_Dog_Dog_ID') IS NOT NULL
ALTER TABLE [Order]
        DROP CONSTRAINT fkOrder_Dog_Dog_ID

IF Object_ID('fkEmployee_Location_Clinic_ID') IS NOT NULL
ALTER TABLE Employee
        DROP CONSTRAINT fkEmployee_Location_Clinic_ID

IF Object_ID('fkDog_Customer_Customer_ID') IS NOT NULL
ALTER TABLE  Dog
        DROP CONSTRAINT fkDog_Customer_Customer_ID
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GO


-- Drop the tables if they already exist
IF object_id('Customer') IS NOT NULL DROP TABLE Customer
IF object_id('Dog') IS NOT NULL DROP TABLE Dog
IF object_id('Employee') IS NOT NULL DROP TABLE Employee
IF object_id('Location') IS NOT NULL DROP TABLE Location
IF object_id('Order') IS NOT NULL DROP TABLE [Order]
IF object_id('Service') IS NOT NULL DROP TABLE [Service]
IF object_id('Treatment') IS NOT NULL DROP TABLE Treatment
GO

-- CUSTOMER
CREATE TABLE Customer(
        Customer_ID int IDENTITY(1000000000,1)
        ,First_Name nvarchar(20)
        ,Last_Name nvarchar(20)
        ,[Address] nvarchar(25)
        ,City nvarchar(15)
        ,[State] nvarchar(2)
        ,Zip nvarchar(9)
        ,Phone nvarchar(12)
)

-- DOG
CREATE TABLE Dog
(
         Dog_ID INT IDENTITY(1100000000,1)
        , Dog_NAME nvarchar (20)
        , Breed nvarchar (20)
        , Birth_Date nvarchar(20)
        , ID_TAG nvarchar (15)
        , Breed_Notes nvarchar (100)
        , Allergy_Notes nvarchar (100)
        , Med_Notes nvarchar (100)
        , Customer_ID int
)
GO

-- EMPLOYEE
---- be stored. The NOT NULL constraint must be added at this time (this is the only NOT NULL constraint
---- added in the 'create tables' script.
CREATE TABLE Employee
        (
         ID int Identity(1000000,1)
        ,Employee_ID  AS 'EMP'+CAST(ID AS varchar(7)) PERSISTED NOT NULL
        , First_Name nvarchar (20)
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        , Last_Name nvarchar (20)
        , Job_Title nvarchar (15)
        , Clinic_ID int
        )


-- LOCATION
CREATE TABLE Location
        (
        Clinic_ID int IDENTITY(1200000000,1)
        ,[Location] nvarchar (20)
        ,[Address] nvarchar(25)
        ,City nvarchar(15)
        ,[State] nvarchar(2)
        , Zip nvarchar(9)
        , Phone nvarchar(12)
        )



-- ORDER
CREATE TABLE [Order]
        (
        Order_Number Int IDENTITY(1300000000,1)
        ,[Date] nvarchar(20)
        ,Order_Notes varchar(100)
        ,Payment_Type varchar(10)
        ,Dog_Weight numeric(5,2 )
        ,Customer_ID int
        ,Clinic_ID int
        ,Dog_ID int
        )



-- SERVICE
CREATE TABLE [Service]
        (
        Service_ID int IDENTITY(1400000000,1)
        ,Category nvarchar(20)
        ,[Type] nvarchar(30)
        ,Price numeric(6,2)
        ,Interval int
        )
GO


-- TREATMENT
CREATE  TABLE [Treatment]
        (
        Order_Number int
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    ,Service_ID int
    ,Employee_ID varchar(10)
    )


------------------ END TABLE CREATION SCRIPT ----------------------------------------
```

Generated ERD of the above code using SQL Server Management Studio

Dog
- Dog_ID
- Dog_NAME
- Breed
- Birth_Date
- ID_TAG
- Breed_Notes
- Allergy_Notes
- Med_Notes
- Customer_ID

Customer
- Customer_ID
- First_Name
- Last_Name
- Address
- City
- State
- Zip
- Phone

Order
- Order_Number
- Date
- Order_Notes
- Payment_Type
- Dog_Weight
- Customer_ID
- Clinic_ID
- Dog_ID

Treatment
- Order_Number
- Service_ID
- Employee_ID

Service
- Service_ID
- Category
- Type
- Price
- Interval

Employee
- ID
- Employee_ID
- First_Name
- Last_Name
- Job_Title
- Clinic_ID

Location
- Clinic_ID
- Location
- Address
- City
- State
- Zip
- Phone