Create Tables

```
CREATE TABLE Customer(
        Email varchar(36) NOT NULL,
        Password varchar(20) NOT NULL,
        FirstName varchar(25) NOT NULL,
        LastName varchar(40) NOT NULL,
        WorkPhoneAreaCode char(3) NOT NULL,
        WorkPhoneLocalNumber char(7) NOT NULL,
        HomePhoneAreaCode char(3) NOT NULL,
        HomePhoneLocalNumber char(7) NOT NULL,
        Address varchar(50) NOT NULL,
        PRIMARY KEY (Email));

CREATE TABLE Clerk(
        Login varchar(16) NOT NULL,
        Password varchar(20) NOT NULL,
        FirstName varchar(25) NOT NULL,
        LastName varchar(40) NOT NULL,
        PRIMARY KEY (Login));

CREATE TABLE Reservation(
        ReservationNumber int NOT NULL,
        StartDate date NOT NULL,
        EndDate date NOT NULL,
        CHECK (StartDate < EndDate),
        CustomerLogin varchar(36) NOT NULL,
        PickupClerkLogin varchar(16) NULL,
        DropoffClerkLogin varchar(16) NULL,
        PickupDate date NULL,
        DropoffDate date NULL,
        CreditCardNumber char(16) NULL,
        CreditCardExpirationDate date NULL,
        PRIMARY KEY(ReservationNumber),
        FOREIGN KEY(CustomerLogin)
                REFERENCES Customer (Email),
        FOREIGN KEY(PickupClerkLogin)
                REFERENCES Clerk (Login),
        FOREIGN KEY(DropoffClerkLogin)
                REFERENCES Clerk (Login));

CREATE TABLE Tool(
        ToolID int NOT NULL,
        ToolType varchar(22) NOT NULL,
        AbbrDescription varchar(25) NOT NULL,
        FullDescription varchar(300) NOT NULL,
        PurchasePrice decimal(6, 2) NOT NULL CHECK (PurchasePrice >= 0),
        DailyRentalPrice decimal(6, 2) NOT NULL CHECK (DailyRentalPrice >= 0),
        Deposit decimal(6, 2) NOT NULL CHECK (Deposit >= 0),
        AddClerkLogin varchar(16) NOT NULL,
        SellClerkLogin varchar(16) NULL,
        SaleDate date NULL,
        SalePrice decimal(6, 2) NULL CHECK (SalePrice >= 0),
        PRIMARY KEY (ToolID),
        FOREIGN KEY (AddClerkLogin)
                REFERENCES Clerk (Login),
```

```sql
        FOREIGN KEY (SellClerkLogin)
                REFERENCES Clerk (Login)
        FOREIGN KEY (ToolType)
                REFERENCES ToolType(ToolType));

CREATE TABLE ServiceRequest(
        HoldClerkLogin varchar(16) NOT NULL,
        ToolID int NOT NULL,
        StartDate date NOT NULL,
        EndDate date NOT NULL,
        CHECK (StartDate < EndDate),
        EstimateRepairCost  decimal(6, 2) NOT NULL  CHECK (EstimateRepairCost >= 0),
        PRIMARY KEY (ToolID, StartDate),
        FOREIGN KEY (HoldClerkLogin)
                REFERENCES Clerk (Login),
        FOREIGN KEY (ToolID)
                REFERENCES Tool (ToolID));

CREATE TABLE PowerToolAccessories(
        ToolID int NOT NULL,
        Accessory varchar(25) NOT NULL,
        PRIMARY KEY (ToolID, Accessory),
        FOREIGN KEY (ToolID)
                REFERENCES Tool (ToolID));

CREATE TABLE ReservationReservesTool(
        ReservationNumber int NOT NULL,
        ToolID int NOT NULL,
        PRIMARY KEY (ReservationNumber, ToolID),
        FOREIGN KEY (ToolID)
                REFERENCES Tool (ToolID),
        FOREIGN KEY (ReservationNumber)
                REFERENCES Reservation (ReservationNumber));

CREATE TABLE ToolType(
        ToolType varchar(22) NOT NULL,
        PRIMARY KEY (ToolType));

INSERT INTO ToolType VALUES ("Power Tools");
INSERT INTO ToolType VALUES ("Hand Tools");
INSERT INTO ToolType VALUES ("Construction Equipment");
```