

```
CREATE TABLE USER (Username VARCHAR (50) NOT NULL,  
Password VARCHAR (50) NOT NULL,  
PRIMARY KEY (Username));
```

```
CREATE TABLE MANAGER (Username VARCHAR (50) NOT NULL,  
Password VARCHAR (50) NOT NULL,  
PRIMARY KEY (Username)),  
FOREIGN KEY (Username) REFERENCES TABLE USER (Username));
```

```
CREATE TABLE CUSTOMER (Username VARCHAR (50) NOT NULL,  
Password VARCHAR (50) NOT NULL,  
Email VARCHAR (50) NOT NULL,  
Is_student BOOLEAN NOT NULL  
PRIMARY KEY (Username));  
FOREIGN KEY (Username) REFERENCES TABLE USER (Username));
```

```
CREATE TABLE RESERVATION (ReservationID INT NOT NULL,  
Is_cancelled BOOLEAN NOT NULL,  
Username VARCHAR (50),  
Card_Number INT,  
PRIMARY KEY (ReservationID),  
FOREIGN KEY (Username) REFERENCES TABLE CUSTOMER (Username),  
FOREIGN KEY (Card_Number) REFERENCES TABLE PAYMENT_INFO (Card_Number));
```

```
CREATE TABLE PAYMENT_INFO (Card_Number INT NOT NULL,  
CVV TINYINT NOT NULL,  
Exp_Date DATE NOT NULL,  
Name_on_card VARCHAR (50) NOT NULL,  
Username VARCHAR (50),  
PRIMARY KEY (Card_Number),  
CHECK (Exp_Date > CURDATE()),  
FOREIGN KEY (Username) REFERENCES TABLE CUSTOMER (Username));
```

```
CREATE TABLE REVIEW (Review_Number INT NOT NULL,  
Comment VARCHAR (150) NOT NULL,  
Rating INT NOT NULL,  
Username VARCHAR (50),
```

Train_Number INT,
PRIMARY KEY (Review_Number)
FOREIGN KEY (Username) REFERENCES TABLE CUSTOMER (Username)
FOREIGN KEY (Train_Number) REFERENCES TABLE TRAIN_ROUTE (Train_Number));

CREATE TABLE RESERVES (ReservationID INT,
Train_Number INT,
Class INT NOT NULL,
Departure_Date DATE NOT NULL,
Passenger_Name VARCHAR (50) NOT NULL,
Number_of_Bags INT NOT NULL,
Departs_From VARCHAR (100),
Arrives_At VARCHAR (100),
PRIMARY KEY (ReservationID),
FOREIGN KEY (ReservationID) REFERENCES TABLE RESERVATION (ReservationID),
FOREIGN KEY (Train_Number) REFERENCES TABLE TRAIN_ROUTE (Train_Number)
FOREIGN KEY (Departs_From) REFERENCES TABLE STATION (Name)
FOREIGN KEY (Arrives_At) REFERENCES TABLE STATION (Name));

CREATE TABLE TRAIN_ROUTE (Train_Number INT NOT NULL,
First_Class_Price INT NOT NULL, /* Is stored as an integer, will be divided by 100 to
/* represent money
Second_Class_Price INT NOT NULL, /* Is stored as an integer, will be divided by 100 to
/* represent money
PRIMARY KEY (Train_Number));

CREATE TABLE STOP (Arrival_Time TIME NOT NULL,
Departure_Time TIME NOT NULL,
Train_Number INT,
Name VARCHAR (100),
PRIMARY KEY (Train_Number, Name),
FOREIGN KEY (Train_Number) REFERENCES TABLE TRAIN_ROUTE (Train_Number),
FOREIGN KEY (Name) REFERENCES TABLE STATION (Name));

CREATE TABLE STATION (Name VARCHAR(100) NOT NULL,
Location VARCHAR (50) NOT NULL,
PRIMARY KEY (Name));

```
CREATE TABLE SYSTEM_INFO (Max_baggage INT NOT NULL,  
Num_free_baggage INT NOT NULL,  
Student_Discount INT NOT NULL,      /* Is a percent stored as an integer  
Change_fee INT NOT NULL,  
PRIMARY KEY (Max_baggage));
```