CREATE DATABASE CS3360;

CREATE TABLE Users (

UserId int PRIMARY KEY AUTO\_INCREMENT,

UserName varchar(50) NOT NULL,

NormalizedUserName varchar(50) NOT NULL,

Age int NOT NULL,

Email varchar(50) NOT NULL,

NormalizedEmail varchar(50) NOT NULL,

PhoneNumber varchar(12) NOT NULL,

Password varchar(15) NOT NULL

);

CREATE TABLE Roles (

RoleId int PRIMARY KEY AUTO\_INCREMENT,

RoleName varchar(50) NOT NULL,

NormalizedRoleName varchar(50) NOT NULL

);

CREATE TABLE UserRole (

UserId int NOT NULL,

RoleId int NOT NULL,

FOREIGN KEY (UserId) REFERENCES Users(UserId),

FOREIGN KEY (RoleId) REFERENCES Roles(RoleId)

);

CREATE TABLE Category (

CategoryId int PRIMARY KEY AUTO\_INCREMENT,

CategoryName varchar(50) NOT NULL

);

CREATE TABLE Status (

StatusId int PRIMARY KEY AUTO\_INCREMENT,

StatusName varchar(50) NOT NULL

);

CREATE TABLE Ticket (

TicketId int PRIMARY KEY AUTO\_INCREMENT,

TicketName varchar(50) NOT NULL,

CategoryId int NOT NULL,

Price float,

StartingPlace varchar(50) NOT NULL,

EndingPlace varchar(50) NOT NULL,

DepartmentTime date,

CreatedAt datetime,

UpdatedAt datetime,

FOREIGN KEY (CategoryId) REFERENCES Category(CategoryId)

);

CREATE TABLE Reservation (

UserId int NOT NULL,

TicketId int NOT NULL,

FOREIGN KEY (UserId) REFERENCES Users(UserId),

FOREIGN KEY (TicketId) REFERENCES Ticket(TicketId)

);

CREATE TABLE Order\_ (

OrderId int PRIMARY KEY AUTO\_INCREMENT,

UserId int NOT NULL,

StatusId int NOT NULL,

OrderDate Datetime,

CancelDate Datetime,

FOREIGN KEY (UserId) REFERENCES Users(UserId),

FOREIGN KEY (StatusId) REFERENCES Status(StatusId)

);

CREATE TABLE OrderDetail (

OrderId int NOT NULL,

TicketId int NOT NULL,

Price float,

FOREIGN KEY (OrderId) REFERENCES Order\_(OrderId),

FOREIGN KEY (TicketId) REFERENCES Ticket(TicketId)

);

INSERT INTO `category` (`CategoryId`, `CategoryName`) VALUES (NULL, 'Economy');

INSERT INTO `category` (`CategoryId`, `CategoryName`) VALUES (NULL, 'Business');

INSERT INTO `category` (`CategoryId`, `CategoryName`) VALUES (NULL, 'First Class');

INSERT INTO `status` (`StatusId`, `StatusName`) VALUES (NULL, 'Paid');

INSERT INTO `status` (`StatusId`, `StatusName`) VALUES (NULL, 'Cancelled');