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 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,

Distance int NOT NULL,

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 Status (

StatusId int PRIMARY KEY AUTO\_INCREMENT,

StatusName varchar(50) NOT NULL

);

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 (OrderId) REFERENCES Ticket(TicketId)

);