CREATE DATABASE reservation;

USE reservation;

-- Create the Customer table

CREATE TABLE Customer (

CustomerID INT PRIMARY KEY,

Name VARCHAR(100),

ContactInfo VARCHAR(50),

LoyaltyPoints INT

);

-- Create the Staff table

CREATE TABLE Staff (

StaffID INT PRIMARY KEY,

Name VARCHAR(50),

Position VARCHAR(15)

);

-- Create the Reservation table

CREATE TABLE Reservation (

ReservationID INT PRIMARY KEY,

CustomerID INT,

Date DATETIME,

Time TIME,

GuestCount INT,

StaffID INT,

FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID),

FOREIGN KEY (StaffID) REFERENCES Staff(StaffID)

);

-- Create the Order table

CREATE TABLE `Order` (

OrderID INT PRIMARY KEY,

ReservationID INT,

TotalAmount DECIMAL(10, 2),

OrderDate DATETIME,

FOREIGN KEY (ReservationID) REFERENCES Reservation(ReservationID)

);

-- Create the Feedback table

CREATE TABLE Feedback (

FeedbackID INT PRIMARY KEY,

ReservationID INT,

Rating INT,

Comments TEXT,

FOREIGN KEY (ReservationID) REFERENCES Reservation(ReservationID)

);

CREATE TABLE Menu (

MenuItemID INT PRIMARY KEY,

Name VARCHAR(100),

Description TEXT,

Price DECIMAL(10,2),

Category VARCHAR(50)

);

CREATE TABLE OrderDetails (

OrderDetailsID INT PRIMARY KEY,

OrderID INT,

MenuItemID INT,

Quantity INT,

Subtotal DECIMAL(10,2),

FOREIGN KEY (OrderID) REFERENCES `Order`(OrderID),

FOREIGN KEY (MenuItemID) REFERENCES Menu(MenuItemID)

);

INSERT INTO Customer (CustomerID, Name, ContactInfo, LoyaltyPoints)

VALUES (1, 'John Doe', 'john.doe@example.com', 120);

INSERT INTO Customer (CustomerID, Name, ContactInfo, LoyaltyPoints)

VALUES (2, 'Po-Sen Huang', 'posen.huang@slu.edu', 239);

INSERT INTO Customer (CustomerID, Name, ContactInfo, LoyaltyPoints)

VALUES (3, 'Davyd Soroka', 'davyd.soroka@slu.edu', 220);

INSERT INTO Customer (CustomerID, Name, ContactInfo, LoyaltyPoints)

VALUES (4, 'Chun Su', 'chun.su@slu.edu', 233);

INSERT INTO Customer (CustomerID, Name, ContactInfo, LoyaltyPoints)

VALUES (5, 'Qiuyu Liao', 'qiuyu.liao@slu.edu', 258);

INSERT INTO Customer (CustomerID, Name, ContactInfo, LoyaltyPoints)

VALUES (6,'Yangchieh Lin', 'yangchieh.lin@slu.edu', 273);

SELECT \* FROM Reservation;

INSERT INTO Staff (StaffID, Name, Position)

VALUES (1, 'Hannah Larson', 'Waiter1');

INSERT INTO Staff (StaffID, Name, Position)

VALUES (2, 'Rylee Howard', 'Waiter2');

INSERT INTO Staff (StaffID, Name, Position)

VALUES (3, 'Jane Smith', 'Host');

INSERT INTO Staff (StaffID, Name, Position)

VALUES (4, 'Julie Simon', 'Bartender');

INSERT INTO Staff (StaffID, Name, Position)

VALUES (5, 'Elise Le', 'Executive Chef ');

INSERT INTO Staff (StaffID, Name, Position)

VALUES (6, 'Emily Puricelli', 'Sous Chef');

DROP TABLE Staff;

INSERT INTO Reservation (ReservationID, CustomerID, Date, Time, GuestCount, StaffID)

VALUES

(101, 1, '2024-12-01', '18:00:00', 4, 1),

(102, 2, '2024-12-01', '19:30:00', 2, 1),

(103, 3, '2024-12-01', '20:00:00', 6, 2),

(104, 4, '2024-12-03', '18:15:00', 3, 1),

(105, 5, '2024-12-05', '19:00:00', 5, 1),

(106, 6, '2024-12-06', '20:30:00', 2, 1);

INSERT INTO Menu (MenuItemID, Name, Description, Price, Category)

VALUES

(1, 'Caesar Salad', 'Crispy romaine lettuce with Caesar dressing and croutons', 7.99, 'Appetizer'),

(2, 'Grilled Salmon', 'Freshly grilled salmon served with vegetables', 15.99, 'Main Course'),

(3, 'Chocolate Cake', 'Rich and moist chocolate dessert', 6.50, 'Dessert'),

(4, 'Iced Tea', 'Refreshing brewed iced tea', 2.99, 'Drink'),

(5, 'Cheeseburger', 'Juicy beef patty with cheese, lettuce, and tomato', 10.99, 'Main Course'),

(6, 'French Fries', 'Crispy golden fries', 3.99, 'Appetizer'),

(7, 'Margarita Pizza', 'Thin crust pizza topped with fresh tomatoes, basil, and mozzarella', 12.50, 'Main Course'),

(8, 'Minestrone Soup', 'Classic Italian vegetable soup', 5.99, 'Appetizer'),

(9, 'Lobster Bisque', 'Creamy soup made with fresh lobster', 9.99, 'Appetizer'),

(10, 'Ribeye Steak', 'Grilled ribeye steak cooked to your preference', 24.99, 'Main Course'),

(11, 'Tiramisu', 'Italian coffee-flavored dessert', 7.50, 'Dessert'),

(12, 'Lemonade', 'Freshly squeezed lemon juice mixed with sugar and water', 3.50, 'Drink'),

(13, 'Vegetable Stir Fry', 'Mixed vegetables stir-fried in a light soy sauce', 11.99, 'Main Course');

INSERT INTO Feedback (FeedbackID, ReservationID, Rating, Comments)

VALUES

(1, 101, 5, 'Excellent service and food!'),

(2, 102, 4, 'Great ambiance but service was a bit slow.'),

(3, 103, 3, 'Food was good but the wait was too long.'),

(4, 104, 5, 'Very friendly staff and delicious dishes.'),

(5, 105, 4, 'Nice experience, but drinks could be better.'),

(6, 106, 5, 'Perfect dining experience! Highly recommend.');

SHOW DATABASES;

SHOW TABLES;

INSERT INTO OrderDetails (OrderDetailsID, OrderID, MenuItemID, Quantity, Subtotal)

VALUES

(1, 1001, 1, 2, 15.98), -- Caesar Salad

(2, 1001, 2, 1, 15.99), -- Grilled Salmon

(3, 1002, 3, 1, 6.50), -- Chocolate Cake

(4, 1002, 4, 2, 5.98), -- Iced Tea

(5, 1003, 5, 1, 10.99), -- Cheeseburger

(6, 1003, 6, 3, 11.97), -- French Fries

(7, 1004, 7, 1, 12.50), -- Margarita Pizza

(8, 1004, 8, 1, 5.99), -- Minestrone Soup

(9, 1005, 9, 1, 9.99), -- Lobster Bisque

(10, 1005, 10, 1, 24.99),-- Ribeye Steak

(11, 1006, 11, 1, 7.50), -- Tiramisu

(12, 1006, 12, 2, 7.00), -- Lemonade

(13, 1006, 13, 1, 11.99);-- Vegetable Stir Fry

SELECT \* FROM `OrderDetails`;

INSERT INTO `Order` (OrderID, ReservationID, TotalAmount, OrderDate)

VALUES

(1001, 101, 85.75, '2024-12-01 18:45:00'),

(1002, 102, 45.50, '2024-12-01 20:00:00'),

(1003, 103, 125.30, '2024-12-01 20:45:00'),

(1004, 104, 60.20, '2024-12-03 19:00:00'),

(1005, 105, 99.99, '2024-12-05 19:30:00'),

(1006, 106, 35.60, '2024-12-06 21:00:00');