-- Создание таблицы столов

CREATE TABLE Stol (

StolID INT PRIMARY KEY,

Seats INT NOT NULL

);

-- Создание таблицы бронирования

CREATE TABLE Bron (

BronID INT PRIMARY KEY,

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

PhoneNumber VARCHAR(20) NOT NULL,

BookingDate DATE NOT NULL,

BookingTime TIME NOT NULL,

GuestsCount INT NOT NULL,

StolID INT NOT NULL,

Status VARCHAR(20) NOT NULL,

FOREIGN KEY (StolID) REFERENCES Stol(StolID) ON DELETE CASCADE

);

-- Создание таблицы официантов

CREATE TABLE Waiter (

WaiterID INT PRIMARY KEY ,

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

PhoneNumber VARCHAR(20) NOT NULL,

Education VARCHAR(100),

Email VARCHAR(100),

Password VARCHAR(100)

);

-- Создание таблицы администраторов

CREATE TABLE Administrator (

AdminID INT PRIMARY KEY,

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

PhoneNumber VARCHAR(20) NOT NULL,

Education VARCHAR(100),

Email VARCHAR(100),

Password VARCHAR(100)

);

-- Создание таблицы подтвержденных броней

CREATE TABLE ConfirmedBooking (

AdminID INT NOT NULL,

WaiterID INT NOT NULL,

BronID INT NOT NULL,

ConfirmationDate DATE NOT NULL,

FOREIGN KEY (AdminID) REFERENCES Administrator(AdminID) ON DELETE CASCADE,

FOREIGN KEY (WaiterID) REFERENCES Waiter(WaiterID) ON DELETE CASCADE,

FOREIGN KEY (BronID) REFERENCES Bron(BronID) ON DELETE CASCADE

);

-- Создание триггера для обновления статуса

CREATE TRIGGER UpdateBookingStatus

ON ConfirmedBooking

AFTER INSERT

AS

BEGIN

UPDATE Bron

SET Status = ' confirmation'

WHERE BronID IN (SELECT BronID FROM inserted);

END;

INSERT INTO Stol (StolID, Seats)

VALUES (1, 10);

INSERT INTO Stol (StolID, Seats)

VALUES (2, 4);

INSERT INTO Stol (StolID, Seats)

VALUES (3, 4);

INSERT INTO Stol (StolID, Seats)

VALUES (4, 6);

INSERT INTO Stol (StolID, Seats)

VALUES (5, 6);

INSERT INTO Stol (StolID, Seats)

VALUES (6, 2);

INSERT INTO Stol (StolID, Seats)

VALUES (7, 2);

INSERT INTO Stol (StolID, Seats)

VALUES (8, 2);

INSERT INTO Stol (StolID, Seats)

VALUES (9, 8);

INSERT INTO Stol (StolID, Seats)

VALUES (10, 8);

INSERT INTO Stol (StolID, Seats)

VALUES (11, 8);

INSERT INTO Administrator (AdminID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (1, 'Jessica', 'Miller', '6666666666', 'Hospitality Management', 'jm@ex.com', '565');

INSERT INTO Bron (BronID, FirstName, LastName, PhoneNumber, BookingDate, BookingTime, GuestsCount, StolID, Status)

VALUES (1, 'John', 'Doe', '1234567890', '2022-01-01', '18:00:00', 4, 1, 'ожидание');

INSERT INTO Bron (BronID, FirstName, LastName, PhoneNumber, BookingDate, BookingTime, GuestsCount, StolID, Status)

VALUES (2, 'Jane', 'Smith', '9876543210', '2022-01-02', '19:30:00', 6, 4, 'ожидание');

INSERT INTO Bron (BronID, FirstName, LastName, PhoneNumber, BookingDate, BookingTime, GuestsCount, StolID, Status)

VALUES (3, 'Michael', 'Johnson', '5555555555', '2022-01-03', '20:00:00', 2, 6, 'ожидание');

INSERT INTO Waiter (WaiterID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (1, 'Alex', 'Wilson', '1111111111', 'Высшее', 'alex@example.com', 'password1');

INSERT INTO Waiter (WaiterID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (2, 'Emily', 'Brown', '2222222222', 'Среднее', 'emily@example.com', 'password2');

INSERT INTO Waiter (WaiterID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (3, 'Daniel', 'Taylor', '3333333333', 'Высшее', 'daniel@example.com', 'password3');

INSERT INTO Administrator (AdminID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (1, 'Admin', 'Adminov', '4444444444', 'Высшее', 'admin@example.com', 'adminpassword');

INSERT INTO Administrator (AdminID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (2, 'Super', 'Admin', '5555555555', 'Высшее', 'superadmin@example.com', 'superadminpassword');

INSERT INTO Administrator (AdminID, FirstName, LastName, PhoneNumber, Education, Email, Password)

VALUES (3, 'Master', 'Admin', '6666666666', 'Высшее', 'masteradmin@example.com', 'masteradminpassword');

INSERT INTO ConfirmedBooking (AdminID, WaiterID, BronID, ConfirmationDate)

VALUES (1, 1, 1, '2022-01-01');

INSERT INTO ConfirmedBooking (AdminID, WaiterID, BronID, ConfirmationDate)

VALUES (2, 2, 2, '2022-01-02');

INSERT INTO ConfirmedBooking (AdminID, WaiterID, BronID, ConfirmationDate)

VALUES (3, 3, 3, '2022-01-03');