CREATE DATABASE IF NOT EXISTS NOMAX;

USE NOMAX;

CREATE TABLE Users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(255),

role ENUM('user', 'admin') DEFAULT 'user'

);

CREATE TABLE Trips (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

region VARCHAR(100),

division VARCHAR(100),

date DATE,

time TIME,

duration INT,

price DECIMAL(10, 2),

availableSeats INT,

transport ENUM('bus', 'car', 'plane'),

busNumber VARCHAR(50),

guide VARCHAR(100),

image VARCHAR(255),

description TEXT,

popular BOOLEAN DEFAULT FALSE,

mostVisited BOOLEAN DEFAULT FALSE,

recent BOOLEAN DEFAULT FALSE,

averageRating DECIMAL(3,2)

);

CREATE TABLE TripDays (

id INT AUTO\_INCREMENT PRIMARY KEY,

tripId INT NOT NULL,

day INT,

title VARCHAR(255),

description TEXT,

FOREIGN KEY (tripId) REFERENCES Trips(id) ON DELETE CASCADE

);

CREATE TABLE Bookings (

id INT AUTO\_INCREMENT PRIMARY KEY,

userId INT NOT NULL,

tripId INT NOT NULL,

date DATE,

passengers INT,

totalPrice DECIMAL(10, 2),

status ENUM('confirmed', 'pending', 'cancelled'),

paymentMethod ENUM('momo', 'card'),

ticketNumber VARCHAR(100),

createdAt DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (userId) REFERENCES Users(id) ON DELETE CASCADE,

FOREIGN KEY (tripId) REFERENCES Trips(id) ON DELETE CASCADE

);

CREATE TABLE Notifications (

id INT AUTO\_INCREMENT PRIMARY KEY,

userId INT NOT NULL,

title VARCHAR(255) NOT NULL,

message TEXT NOT NULL,

date DATE NOT NULL,

`read` BOOLEAN DEFAULT FALSE,

type ENUM('reminder', 'offer', 'system') NOT NULL,

relatedId INT,

FOREIGN KEY (userId) REFERENCES Users(id) ON DELETE CASCADE

);

CREATE TABLE Reviews (

id INT AUTO\_INCREMENT PRIMARY KEY,

userId INT NOT NULL,

tripId INT NOT NULL,

rating INT CHECK (rating BETWEEN 1 AND 5),

comment TEXT,

date DATE,

FOREIGN KEY (userId) REFERENCES Users(id) ON DELETE CASCADE,

FOREIGN KEY (tripId) REFERENCES Trips(id) ON DELETE CASCADE

);

INSERT INTO Users (name, email, password, role) VALUES

('Alice Johnson', 'alice@example.com', 'hashedpassword1', 'user'),

('Bob Smith', 'bob@example.com', 'hashedpassword2', 'admin');

INSERT INTO Trips (name, region, division, date, time, duration, price, availableSeats, transport, busNumber, guide, image, description, popular, mostVisited, recent, averageRating)

VALUES

('Safari Adventure', 'East', 'Garoua', '2025-06-20', '08:00:00', 5, 200.00, 20, 'bus', 'B123', 'John Doe', 'safari.jpg', 'Explore the wild!', TRUE, FALSE, TRUE, 4.5),

('Beach Relaxation', 'West', 'Limbe', '2025-07-15', '10:00:00', 3, 150.00, 15, 'car', 'C456', 'Jane Doe', 'beach.jpg', 'Relax by the beach.', TRUE, TRUE, FALSE, 4.8);

INSERT INTO TripDays (tripId, day, title, description) VALUES

(1, 1, 'Arrival and Welcome', 'Arrival at the reserve and welcome party.'),

(1, 2, 'Safari Tour', 'Full day safari through the park.'),

(2, 1, 'Beach Arrival', 'Welcome to the beach resort.'),

(2, 2, 'Relaxation', 'Relax and enjoy the sea breeze.');

INSERT INTO Bookings (userId, tripId, date, passengers, totalPrice, status, paymentMethod, ticketNumber) VALUES

(1, 1, '2025-06-10', 2, 400.00, 'confirmed', 'momo', 'TICK123'),

(2, 2, '2025-07-01', 1, 150.00, 'pending', 'card', 'TICK124');

INSERT INTO Notifications (userId, title, message, date, `read`, type, relatedId) VALUES

(1, 'Trip Reminder', 'Don’t forget your upcoming Safari Adventure!', '2025-06-18', FALSE, 'reminder', 1),

(2, 'New Offer', 'Get 20% off on your next booking!', '2025-07-05', FALSE, 'offer', NULL);

INSERT INTO Reviews (userId, tripId, rating, comment, date) VALUES

(1, 1, 4, 'Amazing experience, loved the wildlife!', '2025-06-20'),

(2, 2, 5, 'Beautiful beach and great guide!', '2025-07-15');