Name: Morine Maina

RegNo: EB3/56368/21

CREATE DATABASE IF NOT EXISTS morine;

USE morine;

-- USERS table (create first to avoid FK errors)

CREATE TABLE users (

id VARCHAR(255) PRIMARY KEY,

firstName VARCHAR(255) NOT NULL,

lastName VARCHAR(255) NOT NULL,

phoneNumber VARCHAR(20) NOT NULL,

email VARCHAR(255) NOT NULL,

password VARCHAR(255) NOT NULL,

profile VARCHAR(255),

isActive TINYINT(1) DEFAULT 0,

isUpdated TINYINT(1) DEFAULT 0,

isDelete TINYINT(1) DEFAULT 0,

createdAt DATETIME NOT NULL,

updatedAt DATETIME,

role VARCHAR(50) DEFAULT 'user'

);

-- CATEGORIES

CREATE TABLE categories (

id VARCHAR(255) PRIMARY KEY,

name VARCHAR(255) NOT NULL,

description TEXT,

createdAt DATETIME NOT NULL,

updatedAt DATETIME,

isDeleted TINYINT(1) DEFAULT 0

);

-- PRODUCTS

CREATE TABLE products (

id VARCHAR(255) PRIMARY KEY,

name VARCHAR(255) NOT NULL,

description TEXT,

price DECIMAL(10,2) NOT NULL,

image\_path VARCHAR(255),

stock\_quantity INT NOT NULL,

category\_id VARCHAR(255),

isDeleted TINYINT(1) DEFAULT 0,

createdAt DATETIME NOT NULL,

updatedAt DATETIME,

CONSTRAINT fk\_category FOREIGN KEY (category\_id) REFERENCES categories(id)

);

-- CART ITEMS

CREATE TABLE cart\_items (

id VARCHAR(255) PRIMARY KEY,

user\_id VARCHAR(255) NOT NULL,

product\_id VARCHAR(255) NOT NULL,

quantity INT NOT NULL,

createdAt DATETIME NOT NULL,

updatedAt DATETIME,

isDeleted TINYINT(1) DEFAULT 0,

CONSTRAINT fk\_user FOREIGN KEY (user\_id) REFERENCES users(id),

CONSTRAINT fk\_product FOREIGN KEY (product\_id) REFERENCES products(id)

);

-- ORDERS

CREATE TABLE orders (

id VARCHAR(255) PRIMARY KEY,

user\_id VARCHAR(255) NOT NULL,

total\_price DECIMAL(10,2) NOT NULL,

createdAt DATETIME NOT NULL,

updatedAt DATETIME,

isDeleted TINYINT(1) DEFAULT 0,

order\_status VARCHAR(50) DEFAULT 'pending',

order\_date DATETIME DEFAULT NOW(),

CONSTRAINT fk\_user\_order FOREIGN KEY (user\_id) REFERENCES users(id)

);

-- ORDER ITEMS

CREATE TABLE order\_items (

id VARCHAR(255) PRIMARY KEY,

order\_id VARCHAR(255) NOT NULL,

product\_id VARCHAR(255) NOT NULL,

quantity INT NOT NULL,

price DECIMAL(10,2) NOT NULL,

createdAt DATETIME NOT NULL,

updatedAt DATETIME,

isDeleted TINYINT(1) DEFAULT 0,

CONSTRAINT fk\_order FOREIGN KEY (order\_id) REFERENCES orders(id),

CONSTRAINT fk\_product\_order FOREIGN KEY (product\_id) REFERENCES products(id)

);

-- PASSWORD RESET CODES

CREATE TABLE PasswordResetCodes (

id VARCHAR(255) PRIMARY KEY,

email VARCHAR(255) NOT NULL,

resetCode VARCHAR(10) NOT NULL,

expirationTime DATETIME NOT NULL,

createdAt DATETIME DEFAULT UTC\_TIMESTAMP()

);

CREATE INDEX idx\_password\_reset\_codes\_email ON PasswordResetCodes(email);

