-- Tạo database

IF NOT EXISTS (SELECT \* FROM sys.databases WHERE name = 'demodatabase')

BEGIN

CREATE DATABASE demodatabase;

END;

GO

USE demodatabase;

GO

-- Tạo bảng users

CREATE TABLE users (

id INT PRIMARY KEY IDENTITY(1,1),

username VARCHAR(50) NOT NULL UNIQUE,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

avatar VARCHAR(255),

role VARCHAR(10) CHECK (role IN ('admin', 'user')) DEFAULT 'user'

);

-- Tạo bảng products

CREATE TABLE products (

id INT PRIMARY KEY IDENTITY(1,1),

image VARCHAR(255) NOT NULL,

title VARCHAR(100) NOT NULL,

description TEXT NOT NULL,

material VARCHAR(255) NOT NULL,

size VARCHAR(100) NOT NULL,

supplier VARCHAR(255) NOT NULL,

price DECIMAL(10,2) NOT NULL,

moredescription VARCHAR(10000) NOT NULL,

color VARCHAR(50)

);

-- Tạo bảng orders

CREATE TABLE orders (

id INT PRIMARY KEY IDENTITY(1,1),

user\_id INT NOT NULL,

name VARCHAR(100) NOT NULL,

address VARCHAR(255) NOT NULL,

phone VARCHAR(15) NOT NULL,

payment\_method VARCHAR(50) NOT NULL,

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

transaction\_id VARCHAR(100),

note VARCHAR(500),

status VARCHAR(20) DEFAULT 'Pending',

created\_at DATETIME DEFAULT GETDATE(),

updated\_at DATETIME DEFAULT GETDATE(),

CONSTRAINT FK\_orders\_users FOREIGN KEY (user\_id) REFERENCES users(id) ON DELETE CASCADE

);

-- Tạo bảng wishlist

CREATE TABLE wishlist (

id INT PRIMARY KEY IDENTITY(1,1),

user\_id INT NOT NULL,

product\_id INT NOT NULL,

quantity INT DEFAULT 1,

added\_at DATETIME DEFAULT GETDATE(),

CONSTRAINT FK\_wishlist\_users FOREIGN KEY (user\_id) REFERENCES users(id) ON DELETE CASCADE,

CONSTRAINT FK\_wishlist\_products FOREIGN KEY (product\_id) REFERENCES products(id) ON DELETE CASCADE

);

-- Tạo Index

CREATE INDEX IX\_orders\_user\_id ON orders(user\_id);

CREATE INDEX IX\_wishlist\_user\_id ON wishlist(user\_id);

CREATE INDEX IX\_wishlist\_product\_id ON wishlist(product\_id);