-- USERS TABLE

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

email VARCHAR(100) UNIQUE,

password VARCHAR(255),

phone VARCHAR(20),

address TEXT,

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

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

);

-- CATEGORIES TABLE

CREATE TABLE categories (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

slug VARCHAR(100) UNIQUE,

parent\_id INT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (parent\_id) REFERENCES categories(id)

);

-- PRODUCTS TABLE

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY,

category\_id INT,

name VARCHAR(150),

slug VARCHAR(150) UNIQUE,

description TEXT,

price DECIMAL(10, 2),

stock INT,

brand VARCHAR(100),

thumbnail VARCHAR(255),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (category\_id) REFERENCES categories(id)

);

-- PRODUCT IMAGES TABLE

CREATE TABLE product\_images (

id INT AUTO\_INCREMENT PRIMARY KEY,

product\_id INT,

image\_path VARCHAR(255),

FOREIGN KEY (product\_id) REFERENCES products(id)

);

-- PRODUCT VARIANTS TABLE

CREATE TABLE product\_variants (

id INT AUTO\_INCREMENT PRIMARY KEY,

product\_id INT,

variant\_name VARCHAR(100),

price\_diff DECIMAL(10, 2),

stock INT,

FOREIGN KEY (product\_id) REFERENCES products(id)

);

-- CARTS TABLE

CREATE TABLE carts (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

-- CART ITEMS TABLE

CREATE TABLE cart\_items (

id INT AUTO\_INCREMENT PRIMARY KEY,

cart\_id INT,

product\_id INT,

variant\_id INT NULL,

quantity INT,

FOREIGN KEY (cart\_id) REFERENCES carts(id),

FOREIGN KEY (product\_id) REFERENCES products(id),

FOREIGN KEY (variant\_id) REFERENCES product\_variants(id)

);

-- ORDERS TABLE

CREATE TABLE orders (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

total\_amount DECIMAL(10, 2),

status ENUM('pending', 'paid', 'shipped', 'delivered', 'cancelled') DEFAULT 'pending',

shipping\_address TEXT,

payment\_id INT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

-- ORDER ITEMS TABLE

CREATE TABLE order\_items (

id INT AUTO\_INCREMENT PRIMARY KEY,

order\_id INT,

product\_id INT,

variant\_id INT NULL,

quantity INT,

price\_at\_time DECIMAL(10, 2),

FOREIGN KEY (order\_id) REFERENCES orders(id),

FOREIGN KEY (product\_id) REFERENCES products(id),

FOREIGN KEY (variant\_id) REFERENCES product\_variants(id)

);

-- PAYMENTS TABLE

CREATE TABLE payments (

id INT AUTO\_INCREMENT PRIMARY KEY,

order\_id INT,

payment\_method VARCHAR(50),

status ENUM('success', 'failed', 'pending'),

transaction\_id VARCHAR(100),

paid\_at TIMESTAMP,

FOREIGN KEY (order\_id) REFERENCES orders(id)

);

-- REVIEWS TABLE

CREATE TABLE reviews (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

product\_id INT,

rating INT CHECK (rating >= 1 AND rating <= 5),

comment TEXT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id),

FOREIGN KEY (product\_id) REFERENCES products(id)

);

-- WISHLISTS TABLE

CREATE TABLE wishlists (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

product\_id INT,

FOREIGN KEY (user\_id) REFERENCES users(id),

FOREIGN KEY (product\_id) REFERENCES products(id)

);