CREATE TABLE categories (

category\_id INT AUTO\_INCREMENT PRIMARY KEY,

category\_name VARCHAR(100) NOT NULL

);

CREATE TABLE users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(100) NOT NULL,

role ENUM('buyer', 'seller') NOT NULL,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE addresses (

address\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

address\_line1 VARCHAR(255) NOT NULL,

address\_line2 VARCHAR(255),

city VARCHAR(100) NOT NULL,

state VARCHAR(100) NOT NULL,

postal\_code VARCHAR(20) NOT NULL,

country VARCHAR(100) NOT NULL,

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

);

CREATE TABLE products (

product\_id INT AUTO\_INCREMENT PRIMARY KEY,

category\_id INT NOT NULL,

product\_name VARCHAR(100) NOT NULL,

description TEXT,

price DECIMAL(10, 2) NOT NULL,

stock INT NOT NULL,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

);

CREATE TABLE product\_images (

image\_id INT AUTO\_INCREMENT PRIMARY KEY,

product\_id INT NOT NULL,

image\_url VARCHAR(255) NOT NULL,

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

);

CREATE TABLE orders (

order\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

order\_date DATETIME NOT NULL,

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

order\_status VARCHAR(20) NOT NULL,

shipping\_address\_id INT NOT NULL,

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

FOREIGN KEY (shipping\_address\_id) REFERENCES addresses(address\_id)

);

CREATE TABLE order\_details (

detail\_id INT AUTO\_INCREMENT PRIMARY KEY,

order\_id INT NOT NULL,

product\_id INT NOT NULL,

quantity INT NOT NULL,

price DECIMAL(10, 2) NOT NULL,

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

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

);

CREATE TABLE wishlist (

wishlist\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

product\_id INT NOT NULL,

added\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

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

);

CREATE TABLE cart (

cart\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

product\_id INT NOT NULL,

quantity INT NOT NULL,

added\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

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

);

CREATE TABLE notifications (

notification\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

message TEXT NOT NULL,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

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

);