

```

-- Drop in reverse order of dependencies
DROP TABLE IF EXISTS Sale;
DROP TABLE IF EXISTS Cart;
DROP TABLE IF EXISTS Product;
DROP TABLE IF EXISTS Payment_Types;
DROP TABLE IF EXISTS User;

-- User Table
CREATE TABLE User (
    user_id INT AUTO_INCREMENT PRIMARY KEY,
    username VARCHAR(255) NOT NULL,
    password VARCHAR(255) NOT NULL,
    address VARCHAR(100)
);

-- Payment_Types Table
CREATE TABLE Payment_Types (
    payment_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT,
    card_type VARCHAR(100),
    card_number VARCHAR(50),
    FOREIGN KEY (user_id) REFERENCES User(user_id)
);

-- Product Table
CREATE TABLE Product (
    product_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(255),
    image VARCHAR(255),
    manufacturer VARCHAR(255),
    dimension VARCHAR(100),
    category VARCHAR(100),
    rating INT CHECK (rating >= 1 AND rating <= 5),
    SKU VARCHAR(100),
    lbs INT
);

-- Cart Table
CREATE TABLE Cart (
    cart_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT,
    product_id INT,

```

```

    cart_size INT DEFAULT 1,
    added_at DATETIME DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES User(user_id),
    FOREIGN KEY (product_id) REFERENCES Product(product_id)
);

-- Sale Table
CREATE TABLE Sale (
    sale_id INT AUTO_INCREMENT PRIMARY KEY,
    cart_id INT UNIQUE,
    sale_date DATE,
    end_date DATE,
    process_status VARCHAR(100),
    FOREIGN KEY (cart_id) REFERENCES Cart(cart_id)
);

-- Users
INSERT INTO User (username, password, address)
VALUES
('midnightA', '123', '1707 N 10 St.')j,
('garlicMAN', '435', '1909 S 11 St.');
```

```

-- Payment Types
INSERT INTO Payment_Types (user_id, card_type, card_number)
VALUES
(1, 'Discover', '1000 000 0000 0000'),
(2, 'Visa', '1100 1100 0101 0111');
```

```

-- Products
INSERT INTO Product (name, image, manufacturer, dimension, category, rating, SKU, lbs)
VALUES
('Iphone 15', 'Iphone15.jpg', 'Apple', '8x5', 'Phone', 5, '1A022', 2),
('Iphone 14', 'Iphone14.jpg', 'Apple', '8x5', 'Phone', 5, '1A023', 2)
```

```

-- Cart
INSERT INTO Cart (user_id, product_id, cart_size)
VALUES
(1, 1, 1);
(1, 2, 2);

-- Sale: Khoa checks out the cart
```

```
INSERT INTO Sale (cart_id, sale_date, end_date, process_status)
VALUES
(1, '2025-04-07', '2025-04-14', 'Shipped');
```