-- Tạo database

CREATE DATABASE IF NOT EXISTS managerwarehouse CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci;

USE managerwarehouse;

-- Bảng adjustment

CREATE TABLE adjustment (

AdjustmentID INT NOT NULL AUTO\_INCREMENT,

BatchID INT,

AdjustmentQuantity INT NOT NULL,

AdjustDate DATETIME DEFAULT CURRENT\_TIMESTAMP,

reason VARCHAR(255),

AdjustmentType ENUM('Add', 'Remove') NOT NULL,

PRIMARY KEY (AdjustmentID),

FOREIGN KEY (BatchID) REFERENCES productbatch(BatchID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

-- Bảng authorization

CREATE TABLE authorization (

AuthorizationID INT NOT NULL AUTO\_INCREMENT,

RoleID INT,

UrlAuthorized VARCHAR(255),

FeatureDescription VARCHAR(255),

StatusSetting VARCHAR(20),

PRIMARY KEY (AuthorizationID),

FOREIGN KEY (RoleID) REFERENCES role(RoleID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng blog

CREATE TABLE blog (

BlogID INT NOT NULL AUTO\_INCREMENT,

UserID INT,

BlogCategoryID INT,

Title VARCHAR(255),

content VARCHAR(255),

CreatedAt DATETIME DEFAULT CURRENT\_TIMESTAMP,

BlogDateUpdate DATETIME,

status VARCHAR(255),

Author VARCHAR(255),

PRIMARY KEY (BlogID),

FOREIGN KEY (UserID) REFERENCES user(UserID),

FOREIGN KEY (BlogCategoryID) REFERENCES blogcategory(BlogCategoryID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng blogcategory

CREATE TABLE blogcategory (

BlogCategoryID INT NOT NULL AUTO\_INCREMENT,

CategoryName VARCHAR(100),

Description VARCHAR(500),

PRIMARY KEY (BlogCategoryID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng blogdetail

CREATE TABLE blogdetail (

blogdetailid INT NOT NULL AUTO\_INCREMENT,

blogid INT,

thumbnail VARCHAR(255),

detailcontent VARCHAR(255),

PRIMARY KEY (blogdetailid),

FOREIGN KEY (blogid) REFERENCES blog(BlogID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng cart

CREATE TABLE cart (

CartID INT NOT NULL AUTO\_INCREMENT,

UserID INT,

ProductDetailID INT,

Quantity INT,

PRIMARY KEY (CartID),

FOREIGN KEY (UserID) REFERENCES user(UserID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng category

CREATE TABLE category (

CategoryID INT NOT NULL AUTO\_INCREMENT,

CategoryName VARCHAR(100) NOT NULL,

Description VARCHAR(500),

status VARCHAR(100),

image\_url VARCHAR(100),

PRIMARY KEY (CategoryID),

UNIQUE KEY unique\_name (CategoryName)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng categoryweight

CREATE TABLE categoryweight (

categoryweightid INT NOT NULL AUTO\_INCREMENT,

unit VARCHAR(20),

weight DOUBLE,

categoryid BIGINT NOT NULL,

PRIMARY KEY (categoryweightid),

FOREIGN KEY (categoryid) REFERENCES category(CategoryID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

-- Bảng commentblog

CREATE TABLE commentblog (

CommentBlogID INT NOT NULL AUTO\_INCREMENT,

BlogID INT,

UserID INT,

CommentText TEXT,

ParentCommentID INT,

`Like` INT DEFAULT 0,

Report INT DEFAULT 0,

Status VARCHAR(50),

Rating INT DEFAULT 0,

CreatedAt DATETIME DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (CommentBlogID),

FOREIGN KEY (BlogID) REFERENCES blog(BlogID),

FOREIGN KEY (UserID) REFERENCES user(UserID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng commentproduct

CREATE TABLE commentproduct (

CommentProductID INT NOT NULL AUTO\_INCREMENT,

ProductDetailID INT,

UserID INT,

CommentText TEXT,

ParentCommentID INT,

`Like` INT DEFAULT 0,

Report INT DEFAULT 0,

Status VARCHAR(50),

Rating INT DEFAULT 0,

CreatedAt DATETIME DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (CommentProductID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID),

FOREIGN KEY (UserID) REFERENCES user(UserID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng device

CREATE TABLE device (

DeviceID INT NOT NULL AUTO\_INCREMENT,

WarehouseID INT NOT NULL,

DeviceName VARCHAR(255) NOT NULL,

Status VARCHAR(100),

Description TEXT,

PRIMARY KEY (DeviceID),

FOREIGN KEY (WarehouseID) REFERENCES warehouse(WarehouseID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng gallery

CREATE TABLE gallery (

galleryid BIGINT NOT NULL AUTO\_INCREMENT,

ProductID INT NOT NULL,

ImageURL VARCHAR(255) DEFAULT '',

PRIMARY KEY (galleryid),

FOREIGN KEY (ProductID) REFERENCES product(ProductID)

) ENGINE=InnoDB DEFAULT CHARSET= utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng inventory

CREATE TABLE inventory (

InventoryID INT NOT NULL AUTO\_INCREMENT,

ProductDetailID INT,

WarehouseID INT,

BatchID INT,

QuantityInStock INT DEFAULT 0,

LastUpdated DATETIME DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

PRIMARY KEY (InventoryID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID),

FOREIGN KEY (WarehouseID) REFERENCES warehouse(WarehouseID),

FOREIGN KEY (BatchID) REFERENCES productbatch(BatchID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng order

CREATE TABLE `order` (

OrderID INT NOT NULL AUTO\_INCREMENT,

UserID INT,

OrderDate DATETIME DEFAULT CURRENT\_TIMESTAMP,

Status VARCHAR(50),

TotalAmount DECIMAL(15,2),

FullName VARCHAR(255),

Email VARCHAR(100),

Phone VARCHAR(20),

Address VARCHAR(255),

note VARCHAR(255),

ordercode VARCHAR(255) NOT NULL,

discount\_amount DECIMAL(15,2),

final\_amount DECIMAL(15,2) NOT NULL,

voucher\_code VARCHAR(50),

voucher\_id BIGINT,

PRIMARY KEY (OrderID),

UNIQUE KEY OrderCode (ordercode),

FOREIGN KEY (UserID) REFERENCES user(UserID),

FOREIGN KEY (voucher\_id) REFERENCES voucher(id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng orderdetail

CREATE TABLE orderdetail (

orderdetailid BIGINT NOT NULL AUTO\_INCREMENT,

OrderID INT,

ProductDetailID INT,

Quantity INT,

Price DECIMAL(15,2),

PRIMARY KEY (orderdetailid),

FOREIGN KEY (OrderID) REFERENCES `order`(OrderID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng payment

CREATE TABLE payment (

PaymentID INT NOT NULL AUTO\_INCREMENT,

OrderID INT,

PaymentDate DATETIME DEFAULT CURRENT\_TIMESTAMP,

Amount DECIMAL(15,2),

Status VARCHAR(50),

PRIMARY KEY (PaymentID),

FOREIGN KEY (OrderID) REFERENCES `order`(OrderID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng product

CREATE TABLE product (

ProductID INT NOT NULL AUTO\_INCREMENT,

CategoryID INT,

ProductName VARCHAR(255),

description VARCHAR(500),

Status VARCHAR(50),

PRIMARY KEY (ProductID),

FOREIGN KEY (CategoryID) REFERENCES category(CategoryID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng productbatch

CREATE TABLE productbatch (

BatchID INT NOT NULL AUTO\_INCREMENT,

ProductDetailID INT,

ManufactureDate DATE,

ProductDate DATE,

Quantity INT,

importedquantity INT,

soldquantity INT,

PRIMARY KEY (BatchID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng productdetail

CREATE TABLE productdetail (

ProductDetailID INT NOT NULL AUTO\_INCREMENT,

ProductID INT,

price DOUBLE,

Expiry INT,

detailname VARCHAR(500),

status ENUM('ACTIVE', 'INACTIVE'),

categoryweightid INT NOT NULL,

PRIMARY KEY (ProductDetailID),

FOREIGN KEY (ProductID) REFERENCES product(ProductID),

FOREIGN KEY (categoryweightid) REFERENCES categoryweight(categoryweightid)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng role

CREATE TABLE role (

RoleID INT NOT NULL AUTO\_INCREMENT,

RoleName VARCHAR(100) NOT NULL,

Status VARCHAR(20) DEFAULT 'Active',

Description VARCHAR(500),

PRIMARY KEY (RoleID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng shipment

CREATE TABLE shipment (

ShipmentID INT NOT NULL AUTO\_INCREMENT,

OrderID INT,

ShipmentDate DATETIME,

DeliveryAddress VARCHAR(255),

Status VARCHAR(50),

PRIMARY KEY (ShipmentID),

FOREIGN KEY (OrderID) REFERENCES `order`(OrderID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng stockin

CREATE TABLE stockin (

StockInID INT NOT NULL AUTO\_INCREMENT,

SupplierID INT NOT NULL,

WarehouseID INT NOT NULL,

StockInDate DATETIME DEFAULT CURRENT\_TIMESTAMP,

note TINYTEXT,

PRIMARY KEY (StockInID),

FOREIGN KEY (SupplierID) REFERENCES suppliers(supplierid),

FOREIGN KEY (WarehouseID) REFERENCES warehouse(WarehouseID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng stockindetail

CREATE TABLE stockindetail (

StockInDetailID INT NOT NULL AUTO\_INCREMENT,

StockInID INT NOT NULL,

ProductDetailID INT NOT NULL,

Quantity INT NOT NULL,

unitprice INT,

BatchID INT,

PRIMARY KEY (StockInDetailID),

FOREIGN KEY (StockInID) REFERENCES stockin(StockInID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID),

FOREIGN KEY (BatchID) REFERENCES productbatch(BatchID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng stockout

CREATE TABLE stockout (

StockOutID INT NOT NULL AUTO\_INCREMENT,

WarehouseID INT NOT NULL,

OrderID INT,

stockoutdate DATE,

note TINYTEXT,

PRIMARY KEY (StockOutID),

FOREIGN KEY (WarehouseID) REFERENCES warehouse(WarehouseID),

FOREIGN KEY (OrderID) REFERENCES `order`(OrderID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng stockoutdetail

CREATE TABLE stockoutdetail (

StockOutDetailID INT NOT NULL AUTO\_INCREMENT,

StockOutID INT NOT NULL,

ProductDetailID INT NOT NULL,

Quantity INT NOT NULL,

BatchID INT,

orderdetailid BIGINT NOT NULL,

PRIMARY KEY (StockOutDetailID),

FOREIGN KEY (StockOutID) REFERENCES stockout(StockOutID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID),

FOREIGN KEY (BatchID) REFERENCES productbatch(BatchID),

FOREIGN KEY (orderdetailid) REFERENCES orderdetail(orderdetailid)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng supplier

CREATE TABLE supplier (

id INT NOT NULL AUTO\_INCREMENT,

supplier\_name VARCHAR(255),

contact\_info VARCHAR(500),

PRIMARY KEY (id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng suppliers

CREATE TABLE suppliers (

supplierid INT NOT NULL AUTO\_INCREMENT,

contactinfo VARCHAR(100),

logo VARCHAR(100),

suppliername VARCHAR(255) NOT NULL,

PRIMARY KEY (supplierid)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

-- Bảng updateprofilehistory

CREATE TABLE updateprofilehistory (

HistoryID INT NOT NULL AUTO\_INCREMENT,

UserID INT,

UpdateInfo VARCHAR(255),

UpdateTime DATETIME DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (HistoryID),

FOREIGN KEY (UserID) REFERENCES user(UserID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng user

CREATE TABLE user (

UserID INT NOT NULL AUTO\_INCREMENT,

RoleID INT NOT NULL,

UserName VARCHAR(100),

FullName VARCHAR(255),

Image VARCHAR(255),

password VARCHAR(255) NOT NULL,

Email VARCHAR(100),

Phone VARCHAR(20) NOT NULL,

Address VARCHAR(255),

Gender VARCHAR(10),

Status VARCHAR(20),

DOB DATE,

CreatedAt DATETIME DEFAULT CURRENT\_TIMESTAMP,

otp VARCHAR(10) NOT NULL,

LastTimeUpdatePass DATETIME,

PRIMARY KEY (UserID),

FOREIGN KEY (RoleID) REFERENCES role(RoleID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng voucher

CREATE TABLE voucher (

id BIGINT NOT NULL AUTO\_INCREMENT,

voucher\_code VARCHAR(50) NOT NULL,

start\_date DATETIME NOT NULL,

end\_date DATETIME NOT NULL,

discount\_type VARCHAR(255) NOT NULL,

discount\_value DECIMAL(15,2) NOT NULL,

quantity BIGINT,

used\_quantity BIGINT,

status VARCHAR(20) NOT NULL,

islocked BIT(1) NOT NULL,

min\_order\_amount DECIMAL(15,2) NOT NULL,

PRIMARY KEY (id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_unicode\_ci;

-- Bảng warehouse

CREATE TABLE warehouse (

WarehouseID INT NOT NULL AUTO\_INCREMENT,

WarehouseName VARCHAR(255) NOT NULL,

Location VARCHAR(255),

description VARCHAR(255),

PRIMARY KEY (WarehouseID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- Bảng wishlist

CREATE TABLE wishlist (

WishlistID INT NOT NULL AUTO\_INCREMENT,

UserID INT,

ProductDetailID INT,

PRIMARY KEY (WishlistID),

FOREIGN KEY (UserID) REFERENCES user(UserID),

FOREIGN KEY (ProductDetailID) REFERENCES productdetail(ProductDetailID)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;