

**Nhóm 5:**

**Phan Quốc Khánh**

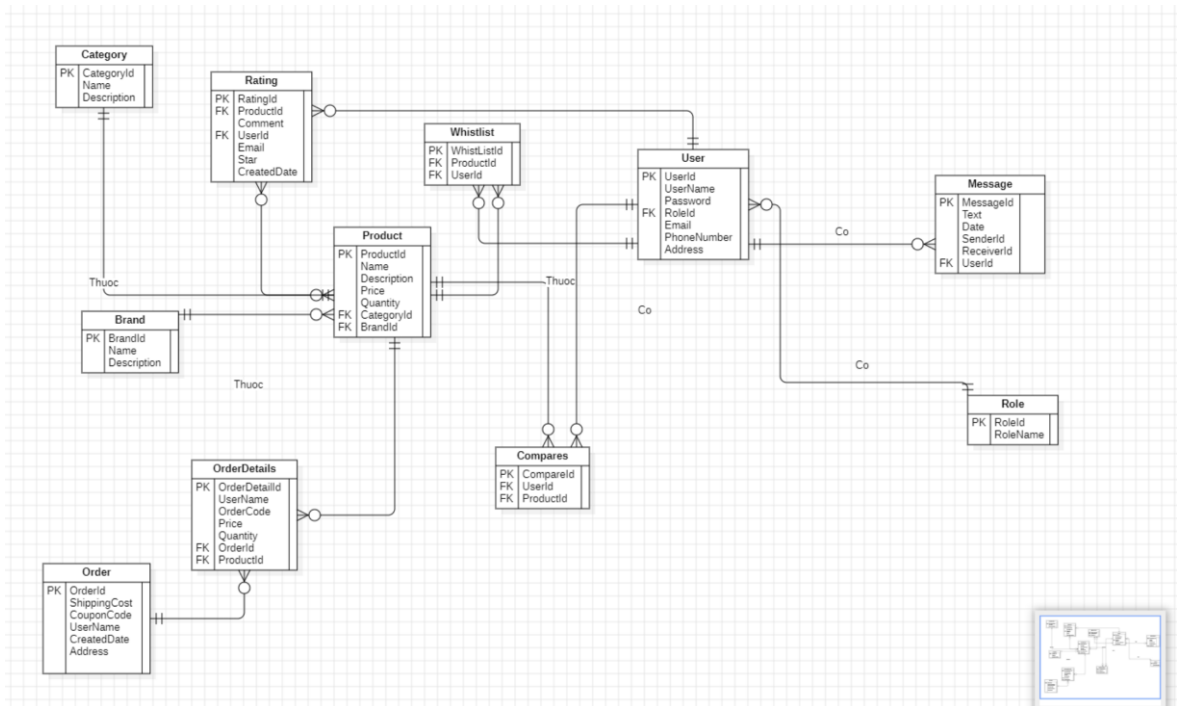
**Dương Công Phước**

**Nguyễn Thành Thi**

**Lê Quốc Việt**

**Lưu Hoàng Phương Nam**

**Câu 1: ERD**



**Câu 2: Database**

-- Tạo bảngAspNetRoles

```
CREATE TABLE AspNetRoles (  
    Id VARCHAR(128) PRIMARY KEY,  
    Name NVARCHAR(256) NOT NULL,  
    NormalizedName NVARCHAR(256) NOT NULL,  
    ConcurrencyStamp NVARCHAR(256)  
);
```

-- Tạo bảngAspNetUsers

```
CREATE TABLE AspNetUsers (  
    Id VARCHAR(128) PRIMARY KEY,  
    Occupation NVARCHAR(100),
```

```
RoleId VARCHAR(128),
Token NVARCHAR(256),
UserName NVARCHAR(256) NOT NULL,
NormalizedUserName NVARCHAR(256) NOT NULL,
Email NVARCHAR(256),
NormalizedEmail NVARCHAR(256),
EmailConfirmed BIT NOT NULL,
PasswordHash NVARCHAR(256),
ConcurrencyStamp NVARCHAR(256),
PhoneNumber NVARCHAR(20),
PhoneNumberConfirmed BIT NOT NULL,
TwoFactorEnabled BIT NOT NULL,
LockoutEnd DATETIME,
LockoutEnabled BIT NOT NULL,
AccessFailedCount INT NOT NULL,
FOREIGN KEY (RoleId) REFERENCESAspNetRoles(Id)
);
```

-- Tạo bảng Categories

```
CREATE TABLE Categories (
    Id INT PRIMARY KEY,
    Name NVARCHAR(100) NOT NULL,
    Description NVARCHAR(500),
    Slug NVARCHAR(100) NOT NULL,
    Status BIT NOT NULL
);
```

-- Tạo bảng Brands

```
CREATE TABLE Brands (
    Id INT PRIMARY KEY,
    Name NVARCHAR(100) NOT NULL,
    Description NVARCHAR(500),
```

```
    Slug NVARCHAR(100) NOT NULL,  
    Status BIT NOT NULL  
);  
  
-- Tạo bảng Products  
CREATE TABLE Products (  
    Id INT PRIMARY KEY,  
    Name NVARCHAR(100) NOT NULL,  
    Slug NVARCHAR(100) NOT NULL,  
    Description NVARCHAR(500),  
    Price DECIMAL(18,2) NOT NULL,  
    Quantity INT NOT NULL,  
    BrandId INT,  
    CategoryId INT,  
    Image NVARCHAR(256),  
    Sold INT NOT NULL,  
    CapitalPrice DECIMAL(18,2) NOT NULL,  
    FOREIGN KEY (BrandId) REFERENCES Brands(Id),  
    FOREIGN KEY (CategoryId) REFERENCES Categories(Id)  
);
```

```
-- Tạo bảng Orders  
CREATE TABLE Orders (  
    OrderCode VARCHAR(50) PRIMARY KEY,  
    ShoppingCart NVARCHAR(500),  
    CouponCode NVARCHAR(50),  
    PaymentMethod NVARCHAR(50),  
    UserId VARCHAR(128),  
    CreateDate DATETIME NOT NULL,  
    Status NVARCHAR(50),  
    City NVARCHAR(100),  
    District NVARCHAR(100),
```

```
HouseNumber NVARCHAR(100),  
Ward NVARCHAR(100),  
FullName NVARCHAR(100),  
FOREIGN KEY (UserId) REFERENCESAspNetUsers(Id)  
);
```

-- Tạo bảng Ratings

```
CREATE TABLE Ratings (  
    Id INT PRIMARY KEY,  
    ProductId INT,  
    Comment NVARCHAR(500),  
    Email NVARCHAR(256),  
    Star INT NOT NULL,  
    FOREIGN KEY (ProductId) REFERENCES Products(Id)  
);
```

-- Tạo bảng Compares

```
CREATE TABLE Compares (  
    Id INT PRIMARY KEY,  
    ProductId INT,  
    UserId VARCHAR(128),  
    FOREIGN KEY (ProductId) REFERENCES Products(Id),  
    FOREIGN KEY (UserId) REFERENCESAspNetUsers(Id)  
);
```

-- Tạo bảng Wishlists

```
CREATE TABLE Wishlists (  
    Id INT PRIMARY KEY,  
    ProductId INT,  
    UserId VARCHAR(128),  
    FOREIGN KEY (ProductId) REFERENCES Products(Id),  
    FOREIGN KEY (UserId) REFERENCESAspNetUsers(Id)
```

);

-- Tạo bảng Messages

CREATE TABLE Messages (

Id INT PRIMARY KEY,

Text NVARCHAR(500),

Sender NVARCHAR(100),

ReceiverId VARCHAR(128),

IsRead BIT NOT NULL,

FOREIGN KEY (ReceiverId) REFERENCES AspNetUsers(Id)

);

