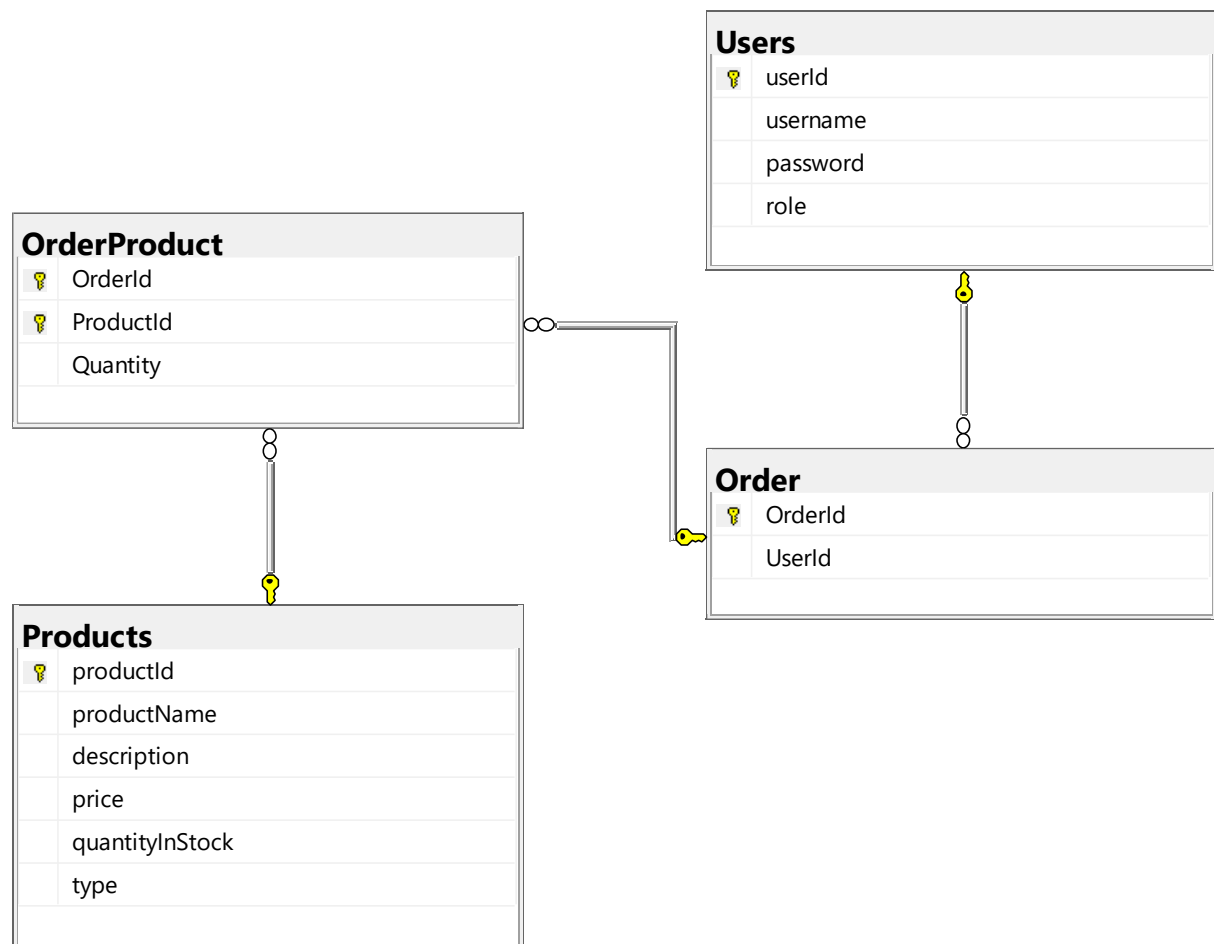


SQL SCHEMA

NAME: Aniroop Gupta

CODING CHALLENGE: Order Management System

1. Entity Relationship Diagram



Create SQL Schema from the product and user class, use the class attributes for table column names

Create Database Orders;

Use Orders;

```
CREATE TABLE Products (  
  productId INT PRIMARY KEY,  
  productName VARCHAR(255),
```

```
description VARCHAR(255),  
price FLOAT,  
quantityInStock INT,  
type VARCHAR(50));
```

```
CREATE TABLE Users (  
  userId INT PRIMARY KEY,  
  username VARCHAR(255),  
  password VARCHAR(255),  
  role VARCHAR(50) CHECK (role IN ('Admin', 'User')) );
```

```
CREATE TABLE [Order] (  
  OrderId INT IDENTITY(1,1) PRIMARY KEY,  
  UserId INT,  
  FOREIGN KEY (UserId) REFERENCES Users(UserId));
```

```
CREATE TABLE OrderProduct (  
  OrderId INT,  
  ProductId INT,  
  Quantity INT,  
  PRIMARY KEY (OrderId, ProductId),  
  FOREIGN KEY (OrderId) REFERENCES [Order](OrderId),  
  FOREIGN KEY (ProductId) REFERENCES Products(ProductId));
```