Online Shopping Application - Database Design

1. Database Design

Based on the project requirements, the following tables are proposed:

1. Users
- - UserID (Primary Key)
- - Name
- - Email (Unique)
- - Password
- - Address
- - Phone
- - Role (User/Admin)

2. Products
- - ProductID (Primary Key)
- - Name
- - Description
- - Price
- - Stock
- - CategoryID (Foreign Key)
- - ImageURL

3. Categories
- - CategoryID (Primary Key)
- - CategoryName

4. Orders
- - OrderID (Primary Key)
- - UserID (Foreign Key)
- - OrderDate
- - TotalAmount
- - Status (Pending/Shipped/Delivered)

5. OrderDetails
- - OrderDetailID (Primary Key)
- - OrderID (Foreign Key)
- - ProductID (Foreign Key)
- - Quantity
- - Subtotal

6. Cart

- - CartID (Primary Key)
- - UserID (Foreign Key)
- - ProductID (Foreign Key)
- - Quantity