**Online Shopping Application**

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)

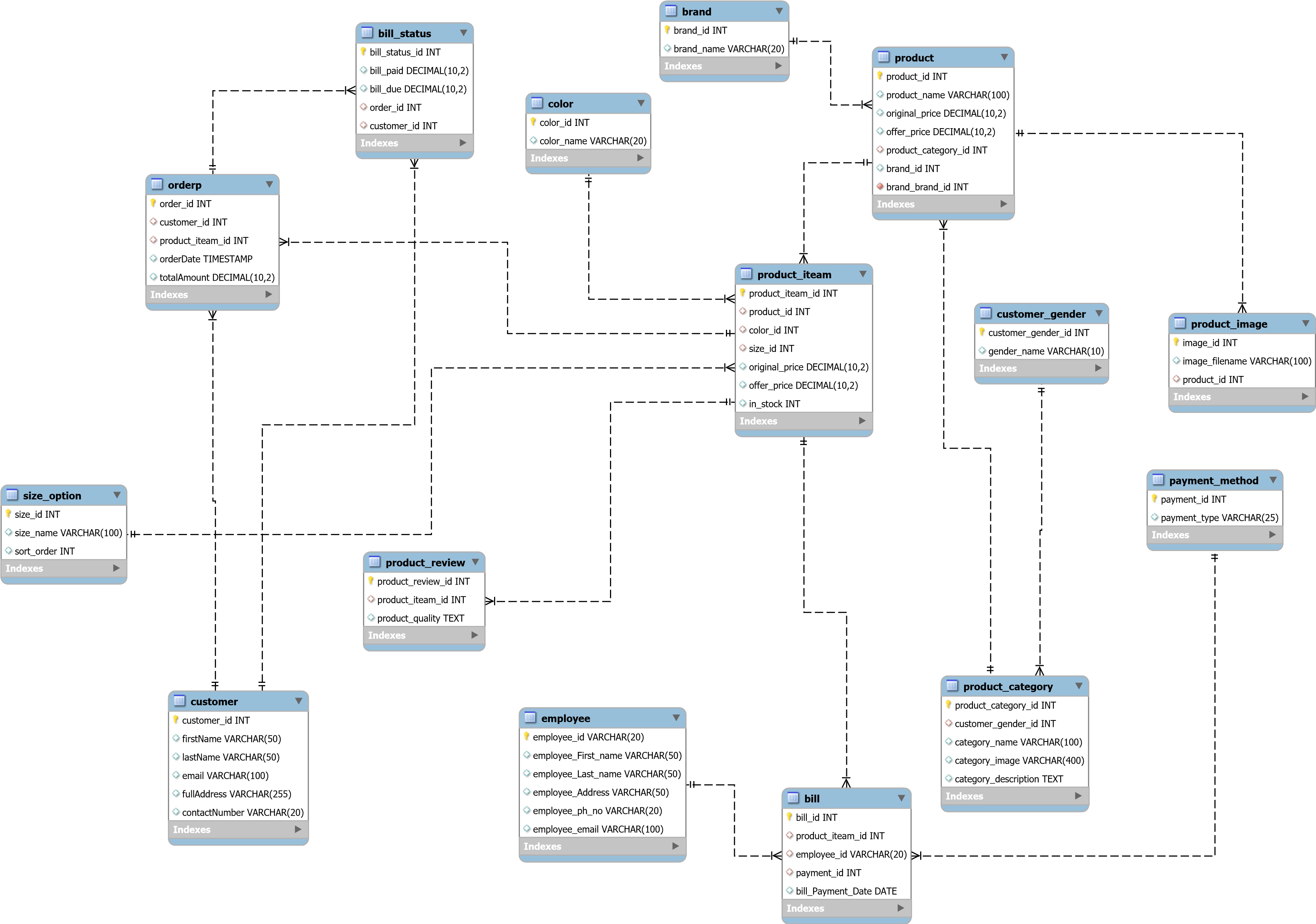
- UserID (Foreign Key)

- ProductID (Foreign Key)

- Quantity

**2. ER Diagram:**

The ER diagram visually represents the relationships between the entities .

The main entities include Users, Products, Categories, Orders, OrderDetails, Cart etc. Attributes and primary keys are defined for each’