**Schema Design:**

**1. Users:**

* user\_id (Primary Key)
* username
* email
* password

**2. Products:**

* product\_id (Primary Key)
* name
* description
* price
* quantity

**3. Categories:**

* category\_id (Primary Key)
* name
* description

**4.** **Orders**:

* order\_id (Primary Key)
* user\_id (Foreign Key)
* order\_date
* total\_amount

**5. Order\_Items:**

* order\_item\_id (Primary Key)
* order\_id (Foreign Key)
* product\_id (Foreign Key)
* quantity
* price

**6. Payments:**

* payment\_id (Primary Key)
* order\_id (Foreign Key)
* amount
* payment\_date
* payment\_method

**7. Addresses:**

* address\_id (Primary Key)
* user\_id (Foreign Key)
* street
* city
* state
* zipcode

**8. Carts:**

* cart\_id (Primary Key)
* user\_id (Foreign Key)

**9. Cart\_Items:**

* cart\_item\_id (Primary Key)
* cart\_id (Foreign Key)
* product\_id (Foreign Key)
* quantity