**E- COMMERCE Database Schema Description**

**1. customers table**

Stores **customer details**, including login credentials.

* **customer\_id** → Unique identifier for each customer.
* **name** → Full name of the customer.
* **email** → Unique email address for login.
* **password** → Hashed password for authentication.

**2. products table**

Stores **product details** available for purchase.

* **product\_id** → Unique identifier for each product.
* **name** → Name of the product.
* **price** → Cost of the product.
* **description** → Text describing the product.
* **stockQuantity** → Number of items in stock.

**3. cart table**

Stores **temporary cart items** before checkout.

* **cart\_id** → Unique identifier for each cart entry.
* **customer\_id** → Customer who added the product (FK).
* **product\_id** → Product added to the cart (FK).
* **quantity** → Number of items of that product in the cart.

**4. orders table**

Stores **customer orders** after checkout.

* **order\_id** → Unique identifier for each order.
* **customer\_id** → Customer who placed the order (FK).
* **order\_date** → Date when the order was placed.
* **total\_price** → Total cost of the order.
* **shipping\_address** → Address where the order is delivered.

**5. order\_items table**

Stores **individual product details** within an order.

* **order\_item\_id** → Unique identifier for each order item.
* **order\_id** → Order this item belongs to (FK).
* **product\_id** → Product purchased in the order (FK).
* **quantity** → Number of items purchased.  
    
  