

# SQL Relation Schema

## 1. Customers

- a. CustID (Customer ID) – Primary Key
- b. Name (Customer Name)
- c. Type (Customer Type) – Non-Premium / Premium
- d. ExpiryDate (Customer Membership Expiry)
- e. Phone\_No (Phone Number)
- f. Email (Customer Email)

## 2. CustAddress

- a. CustID (Customer ID) – Foreign Key
- b. AddressId (Address ID) – Primary Key
- c. Pincode
- d. State
- e. City
- f. FlatNo
- g. Landmark
- h. Category

## 3. Products

- a. ProdID (Product ID) – Primary Key
- b. ProdName (Product Name)
- c. SubCategoryID (Sub Category) – Foreign Key
- d. Brand
- e. Description
- f. Price
- g. Shelf\_life

h. Size (Quantity eg. 250ml, etc)

#### **4. Categories**

- a. CategoryID (Category ID) – Primary Key
- b. Name (Category Name)

#### **5. SubCategories**

- a. SubCategoryID (Subcategory ID)
- b. Name (Subcategory Name)
- c. CategoryID – Foreign Key

#### **6. Suppliers**

- a. SupplierID (Supplier ID) – Primary Key
- b. Name (Supplier Name)
- c. Location
- d. Pincode
- e. City
- f. State

#### **7. Warehouses**

- a. WarehouseID (Warehouse ID) – Primary Key
- b. Name (Warehouse Name)
- c. Location
- d. Pincode
- e. City
- f. State

#### **8. Inventory**

- a. InventoryID (Inventory ID) – Primary Key
- b. WarehouseID – Foreign Key

- c. ProductID – Foreign Key
- d. Cost
- e. Quantity
- f. Min\_Quantity (For Reorder)
- g. SupplyOrderID – Foreign Key

## **9. SupplyOrders**

- a. SupplyOrderID (Supply Order ID) – Primary Key
- b. WarehouseID – Foreign Key
- c. SupplierID – Foreign Key
- d. SupplyDate

## **10. SupplyOrderDetails**

- a. SupplyOrderID – Foreign Key
- b. ProdID – Foreign Key
- c. Quantity
- d. Price
- e. Total
- f. Primary Key: {SupplyOrderID,ProdID}

## **11. DeliveryAgents**

- a. AgentID (Delivery Agent ID) – Primary Key
- b. Name (Agent Name)
- c. Phone\_No (Phone Number)
- d. Email
- e. Rating
- f. No\_Deliveries
- g. Earnings

## **12. Orders**

- a. OrderID (Order ID) – Primary Key
- b. AgentID (Delivery Agent) – Foreign Key
- c. CustID – Foreign Key
- d. Discount
- e. DeliveryFee
- f. Notes
- g. Amount
- h. Method – COD/Card/UPI
- i. TransactionID – Unique
- j. OrderDate
- k. Timestamp (Delivery Time)
- l. Status – Yet to be Confirmed, Order confirmed, On the way, or Cancelled

## **13. OrderDetails**

- a. OrderID – Foreign Key
- b. ProdID – Foreign Key
- c. Quantity
- d. Price
- e. Primary Key: {OrderID,ProdID}

## **14. HelpAgents**

- a. AgentID (Help Agent ID) – Primary Key
- b. Name (Agent Name)
- c. Phone\_No (Phone Number)
- d. Email
- e. Rating
- f. Earnings

**15. Complaints**

- a. OrderID – Foreign Key
- b. CustID – Foreign Key
- c. Type
- d. TicketNo – Primary Key
- e. AgentID – Foreign Key(HelpAgents)
- f. Refund – Refunded/Not Refunded
- g. Description

**16. Cart**

- a. CartID – Primary Key
- b. CustID – Foreign Key
- c. No\_Products
- d. Total

**17. CartDetails**

- a. CartID – Foreign Key
- b. ProdID – Foreign Key
- c. Quantity
- d. Sub\_Total
- e. Primary Key – {CartID,ProdID}

**18. RefundDetails**

- a. RefundID – Primary Key
- b. Amount
- c. TransactionID – Unique
- d. TicketNo – Foreign Key
- e. Date