

- BIG MART -

Online Retail Store

DataBase Schema

Team 121

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Database Schema: The SQL Tables created in MySQL are as follows:

Admin (AdminId, Name, Ranked, Role),
Cart (CartId, CustId, ProdId, Quantity, Price, Status),
Customer (CustId, FirstName, MiddleName, LastName, Address, Mobile_Number, Account_Balance, Subscription_Type),
Category (CatId, Name),
Employee (EmpId, FirstName, MiddleName, LastName, Address, Mobile_Number, Salary, Age, Gender, Availability),
Order_Details (OrderId, Order_Date, Bill, Delivery_Details[Delivery_Address, Delivery_Agent_Id, Delivery_Agent_Name, Delivery_Agent_Phone_No, Delivery_Time], CartId, CustId, Status),
Payments (PayId, Amount, Type, CustId),
Products (ProdId, Name, Price, Quantity_Available, Discount, Warranty_Expiry, CatId),
Suppliers (SuppId, FirstName, MiddleName, LastName, OrderId).

Integrity Constraints: The various constraints in the created SQL Tables are as follows:Sufficient and valid constraints in DDL. (Primary Key, Foreign Key, etc.)

- Admin - AdminId is a Primary key.
- Cart - CartId is a Primary key, & CustId, ProdId are Foreign keys.
- Category - CatId is a Primary key.
- Customer - CustId is a Primary key, and FirstName, MiddleName, LastName are composite keys.
- Employee - EmpId is a Primary key, and FirstName, MiddleName, LastName are composite keys.
- Order_Details - OrderId is a Primary key, Delivery_Details is a composite key, and CartId, CustId, & Delivery_Agent_Id are foreign keys.
- Payments - PayId is a Primary key, & CustId is a foreign key.
- Products - ProdId is a Primary key, & CatId is a foreign key.
- Suppliers - SuppId is a Primary key, & OrderId is a foreign key.

Data Population: For the purpose of populating the above SQL Tables we have used online sites to generate sufficient and valid data. Link: <https://filldb.info/dummy>.