

Table Design

1.Table name: Role

Primary key: Role_id

Field Name	Datatype	Key Constraints	Description
Role_id	Int	Primary Key	Role id
Role	Varchar(10)	NOT NULL	Role of user

2.Table name: Customer_details

Primary key: Customer_id

Foreign key: Address_id references table address_details

Foreign key: Role_id references table Role

Field Name	Datatype	Key Constraints	Description
Customer_id	Varchar(10)	Primary Key	user id
Username	Varchar(10)	NOT NULL	Username
Customer_name	Varchar(200)	NOT NULL	Customer name
Dob	Varchar(20)	NOT NULL	Date of birth
Gender	Varchar(5)	NOT NULL	gender
Address_id	Varchar(25)	Foreign Key	Address
Password	Varchar(20)	NOT NULL	Password
Role_id	Int	Foreign Key	Role of user
Status	Binary	NOT NULL	Active or not

3.Table name: Address_details

Primary key: Address_id

Field Name	Datatype	Key Constraints	Description
Address_id	Varchar(10)	Primary Key	User id
Building/house	Varchar(100)	NOT NULL	Address line 1
Street	Varchar(100)	NOT NULL	Street
City	Varchar(100)	NOT NULL	City
District	Varchar(100)	NOT NULL	District
Pincode	Number	Foreign Key	Pincode
Phone	Number	NOT NULL	Phone number

Status	Binary	Foreign Key	Active or not
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4.Table name: Brand_details

Primary key: Brand_id

Field Name	Datatype	Key Constraints	Description
Brand_id	Varchar(10)	Primary Key	Brand id
Brand_name	Varchar(50)	NOT NULL	Brand name
Brand_details	Varchar(200)	NOT NULL	Brand details
Status	Varchar(5)	NOT NULL	Status

5.Table name: Distributer_details

Primary key: Dis_id

Field Name	Datatype	Key Constraints	Description
Dis_id	Varchar(10)	Primary Key	Distributer id
Dis_name	Varchar(50)	NOT NULL	Distributer name
Address	Varchar(225)	Foreign Key	Address
Dis_email	Varchar(255)	NOT NULL	Distributer Email id

6.Table name: Medicine_details

Primary key: Med_id

Foreign key: Brand_id references table brand_details

Foreign key: Category_id references table category_details

Field Name	Datatype	Key Constraints	Description
Med_id	Varchar(10)	Primary Key	Medicine id
Med_name	Varchar(200)	NOT NULL	Medicine name
Brand_id	Varchar(10)	Foreign Key	Brand name
Batchno	Varchar(10)	NOT NULL	Batch number
Manuf_date	Date	NOT NULL	Manufacturing date
Exp_date	Date	NOT NULL	Date of expiry
Specification	Varchar(350)	NOT NULL	Specifications
Category_id	Varchar(10)	Foreign Key	Category id

Stock	Integer	NOT NULL	Available Stock
Price	Double	NOT NULL	Price
Status	Varchar(5)	NOT NULL	Status

7.Table name: Category_details

Primary key: Category_id

Field Name	Datatype	Key Constraints	Description
Category_id	Varchar(10)	Primary Key	Category id
Category_name	Varchar(100)	NOT NULL	Category name
Category_description	Varchar(350)	NOT NULL	Description

8.Table name: Sales_details

Primary key: Sales_id

Foreign key: Customer_id references table customer_details

Foreign key: Med_id references table medicine_details

Foreign key: Address_id references table address_details

Field Name	Datatype	Key Constraints	Description
Sales_id	Varchar(10)	Primary Key	Sales id
Customer_id	Varchar(10)	Foreign Key	Customer id
Address_id	Varchar(10)	Foreign Key	Address id
Med_id	Varchar(10)	Foreign Key	Medicine id
Quantity	Integer	NOT NULL	Quantity
Mode_of_sale	Binary	NOT NULL	Online(1)/Offline(0)
Unit_price	Double	NOT NULL	Unit price
Sales_date	Date	NOT NULL	Date of sale
Status	Varchar(5)	NOT NULL	Status

9.Table name: Wishlist_details

Primary key: Wish_id

Foreign key: Customer_id references table customer_details

Foreign key: Med_id references table medicine_details

Field Name	Datatype	Key Constraints	Description
Wish_id	Int	Primary Key	Wish id

Customer_id	Varchar(10)	Foreign Key	Customer id
Med_id	Varchar(10)	Foreign Key	Medicine id
Status	Binary	NOT NULL	Active or not

10.Table name: Cart_details

Primary key: Cart_id

Foreign key: Customer_id references table customer_details

Foreign key: Med_id references table medicine_details

Field Name	Datatype	Key Constraints	Description
Cart_id	Varchar(10)	Primary Key	Cart id
Customer_id	Varchar(10)	Foreign Key	Customer id
Med_id	Varchar(10)	Foreign Key	Medicine id
Quantity	Varchar(10)	NOT NULL	Quantity
Date	Date	NOTNULL	Date
Status	Binary	NOT NULL	Active or not

11.Table name: Payment_details

Primary key: Payment_id

Foreign key: Sales_id references table sales_details

Field Name	Datatype	Key Constraints	Description
Payment_id	Varchar(10)	Primary Key	Payment id
Sales_id	Varchar(10)	Foreign Key	Order id
Method	Varchar(30)	NOT NULL	Mode of payment
Payment_date	Date	NOT NULL	Date of payment
Status	Varchar(10)	NOT NULL	Status of payment

12.Table name: Delivery_details

Primary key: Delivery_id

Foreign key: Sales_id references table sales_details

Foreign key: Payment_id references table payment_details

Field Name	Datatype	Key Constraints	Description
Delivery_id	Varchar(10)	Primary Key	Delivery id

Sales_id	Varchar(10)	Foreign Key	Sales id
Payment_id	Date	Foreign Key	Payment id
Delivery_date	Date	NOT NULL	Date of sale
Status	Varchar(10)	NOT NULL	Status of delivery

13.Table name: Customer_queries

Primary key: Query_id

Foreign key: Customer_id references table Customer_details

Field Name	Datatype	Key Constraints	Description
Query_id	Varchar(10)	Primary Key	Query ID
Customer_id	Varchar(10)	Foreign Key	ID of the Customer
Query_text	Varchar(350)	NOT NULL	Queries of Customer
Response_text	Varchar(350)	NOT NULL	Chatbot responses
Timestamp	Timestamp	NOT NULL	Duration

14.Table name: Chatbot_sessions

Primary key: Session_id

Foreign key: Customer_id references table Customer_details

Field Name	Datatype	Key Constraints	Description
Session_id	Varchar(10)	Primary Key	Session ID
Customer_id	Varchar(10)	Foreign Key	Customer ID
Start_timestamp	Timestamp	NOT NULL	Start time
End_timestamp	Timestamp	NOT NULL	End time

15.Table name: Chatbot_interactions

Primary key: interaction_id

Foreign key: Session_id references table Chatbot_sessions

Field Name	Datatype	Key Constraints	Description
Interaction_id	Varchar(10)	Primary Key	Interaction ID
Session_id	Varchar(10)	Foreign Key	Session ID
User_type	Varchar(10)	NOT NULL	Type of user

Message_text	Varchar(350)	NOT NULL	Text content
Timestamp	Timestamp	NOT NULL	Time record

16.Table name: Customer_feedback

Primary key: Feedback_id

Foreign key: Customer_id references table Customer_details

Foreign key: Session_id references table Chatbot_sessions

Field Name	Datatype	Key Constraints	Description
Feedback_id	Varchar(10)	Primary Key	Feedback ID
Customer_id	Varchar(10)	Foreign Key	Customer ID
Session_id	Varchar(10)	Foreign Key	Session ID
Feedback_text	Varchar(350)	NOT NULL	User comments
Rating	Decimal(3,2)	NOT NULL	Numeric score
Timestamp	Timestamp	NOT NULL	Submission time