TABLE DESIGN

1. Registration table

Primary Key: user_id

Column Name	Data Type	Description
user_id	int	Unique user ID
username	varchar (50)	Username
password	varchar (50)	Password
email	varchar (50)	Email
address	text	Customer address
phone	varchar (20)	Customer phone number
role	varchar (20)	User role (customer, supplier, admin, delivery)

2. Customer login table

Primary Key: customer_id

Foreign Key: user_id references Registration(user_id)

Column Name	Data Type	Description
customer_id	int	Primary key
User_id	varchar (50)	Foreign key referencing the registration table

3. Supplier table

Primary Key: supplier_id

Foreign Key: user_id references Registration(user_id)

Column Name	Data Type	Description
supplier_id	int	Primary key
User_id	varchar (50)	Foreign key referencing the registration table

4. Delivery person table

Primary Key: delivery_person_id

Foreign Key: user_id references Registration(user_id)

Column Name	Data Type	Description
delivery_person_id	int	Primary key
User_id	varchar (50)	Foreign key referencing the registration table

5. Category table

Primary Key: category_id

Column Name	Data Type	Description
category_Id	int	Primary Key
Category name	varchar	Name of category

6. ProductCategory Table

Primary Key: productcategory_id

Foreign key:Cayegory_id

Column Name	Data Type	Description
Product_Id	int	Primary Key
category_Id	int	Foreign key from category table
Product name	varchar	Name of paroduct

7. Product table

Primary Key: product_id

Foreign Keys: category_id references Category(category_id), supplier_id references Supplier(supplier_id)

Column Name	Data Type	Description
product_id	int	Foreign key
Category_id	int	foreign
Product name	varchar(100)	Product name
description	text	Product description
image	varchar	Product image
price	int	Product price
stock_level	int	Current stock level
supplier_id	int	Foreign key referencing the Suppliers table

8. Order table

Primary Key: order_id

Foreign Keys: customer_id references Customer(customer_id), product_id references Product(product_id)

Column Name	Data Type	Description
order_id	int	Unique order ID
customer_id	int	Foreign key referencing the Customers table
order_date	datetime	Order date and time
total_amount	int	Total order amount
status	varchar(20)	Order status
product_id	int	Foreign key referencing the Products table
quantity	int	Quantity of the product in the order

9. Price chart table

Primary Key: price_chart_id

 Foreign Keys: category_id references category(category_id), product_id references Productcategory(product_id)

Column Name	Data Type	Description
Price_chart_id	int	Unique order ID
category_id	int	Foreign key referencing the Category table
peoduct_id	int	Foreign key referencing the product_category table
quantity	int	quantity
price	int	price
date	int	date

10.Delivery assignment table

Primary Key: delivery_id

 Foreign Keys: order_id references Order(order_id), delivery_person_id references DeliveryPerson(delivery_person_id)

Column Name	Data Type	Description
delivery_id	int	Unique delivery ID
order_id	int	Foreign key referencing the Orders table
delivery_date	datetime	Scheduled delivery date and time
status	varchar(20)	Delivery status
delivery_person_id	int	Foreign key referencing the Delivery Persons table

11. Review table

Primary Key: review_id

 Foreign Keys: customer_id references Customer(customer_id), product_id references Product(product_id)

Column Name	Data Type	Description
review_id	int	Primary key
customer_id	int	Foreign key referencing the Customers table
product_id	int	Foreign key referencing the Products table
rating	int	Customer rating
review_text	text	Customer review text

12. Inventory management table

Foreign Key: product_id references Product(product_id)

Column Name	Data Type	Description
Category_id	int	Foreign key referencing the category table
product_id	int	Foreign key referencing the Products table
restock_alert	int	Restock alert

13. Payment table

Primary Key: payment_id

Foreign Key: order_id references Order(order_id)

Column Name	Data Type	Description
payment_id	int	Unique payment ID
order_id	int	Foreign key referencing the Orders table
payment_date	datetime	Payment date and time
payment_method	varchar(20)	Payment method

14. Review Table

Primary Key: review_id
Foreign Key: customer references customer(cust_id),product reference product(prod_id)

Column Name	Data Type	Description
review_id	INT (Primary Key)	Unique identifier
customer_id	INT	References Customer
product_id	INT	References Product
rating	INT	Rating (1–5)
created_at	DATETIME	Timestamp of creation

15. Feedback Table

Primary Key: feedback_id
Foreign Key: customer references customer(cust_id),product reference product(prod_id)

Column Name	Data Type	Description
feedback_id	INT (Primary Key)	Unique identifier for feedback
customer_id	INT	References Customer(customer_id)
product_id	INT	References Product(product_id)
feedback_text	TEXT	Detailed feedback from the customer
created_at	DATETIME	Timestamp when the feedback was created

16. Learning Material Table

Primary Key: material_id
Foreign Key: category references category(cat_id)

Column Name	Data Type	Description
material_id	INT (Primary Key)	Unique identifier
title	VARCHAR(255)	Title of the material
description	TEXT	Brief description
content	TEXT	Full content or URL
Category_id	INT(Foreign Key)	References Category
date_uploaded	DATETIME	Date uploaded

17. Category for learning

Primary Key: cat_id

Column Name	Data Type	Description
category_id	INT (Primary Key)	Unique identifier for category
category_name	VARCHAR(100)	Name of the category (e.g., pest control)
description	TEXT	Details about the category

18.Market Trends Table

Primary Key: trend_id

Column Name	Data Type	Description
trend_id	INT (Primary Key)	Unique identifier
crop_name	VARCHAR(100)	Name of the crop
demand	VARCHAR(50)	Demand level (e.g., High)
pricing	FLOAT	Current crop price
updated_at	DATETIME	Last updated timestamp