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) |

1. **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 |

1. **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 |

1. **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 |

1. **Category table**

Primary Key: category\_id

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| category\_Id | int | Primary Key |
| Category name | varchar | Name of category |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |

1. **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 |