Table Design

1. Usertype Table

Primary Key: type_id

Field Name	Datatype	Constraint	Description
type_id	int(5)	Primary Key	Usertype id
type_name	varchar(20)	NotNull	Type of user

2. Login Table

Primary Key: login_id

Foreign key: type_id

Field Name	Datatype	Constraint	Description
login_id	int(5)	Primary Key	Unique Key for login
type_id	varchar(10)	Foreign Key	Usertype id
email	int(5)	NotNull	Email
password	varchar(200)	NotNull	Password
status	boolean(2)	NotNull	Status

3. Staff_reg Table

Primary Key: staff_id

Foreign key: login_id, desig_id

Field Name	Datatype	Constraints	Description
staff_id	int(5)	Primary Key	Staff id
login_id	varchar(10)	Foreign Key	Primarykey referenced from login table
name	varchar(15)	NotNull	Name of staff
address	varchar(20)	NotNull	Address of staff
phone	varchar(10)	NotNull	Phone number
desig_id	int(5)	Foreign Key	Designation id
status	boolean(2)	NotNull	Status

4. Supplier_reg Table

Primary key : supplier_id

Foreign key : login_id, company_id

Field Name	Datatype	Constraints	Description
supplier_id	int(5)	Primary Key	Supplier id
login_id	int(5)	Foreign Key	Foreign key referenced from login table
company_id	int(5)	Foreign Key	Company id
name	varchar(15)	NotNull	Name of Supplier
address	varchar(20)	NotNull	Address
phone	varchar(10)	NotNull	Phone
status	boolean(2)	NotNull	Status

5. Farmer_reg Table

Primary key: farmer_id

Foreign key: login_id

Field Name	Datatype	Constraints	Description
farmer_id	int(5)	Primary Key	Farmers id
login_id	int(5)	Foreign Key	Foreign key referenced from login table
name	varchar(20)	NotNull	Name of Farmer
address	varchar(20)	NotNull	Address
phone	varchar(20)	NotNull	Phone Number
status	varchar(5)	NotNull	Status

6. Designation Table

Primary key: desig_id

Field Name	Datatype	Constraints	Description
desig_id	int(5)	Primary key	Designation id
desig_type	varchar(20)	NotNull	Designation type

7. Company Table

Primary key: company_id

Field Name	Datatype	Constraints	Description
company_id	int(5)	Primary key	Company id
Company_name	varchar(20)	NotNull	Company Name

8. Add_category Table

Primary key: cat_id

Field Name	Datatype	Constraints	Description
cat_id	int(5)	Primary key	Category id
cat_name	varchar(20)	NotNull	Category name
Status	boolean(2)	NotNull	Status

9. Sub_category Table

Primary key: sub_cat_id

Foreign key: cat_id

Field Name	Datatype	Constraints	Description
sub_cat_id	int(5)	Primary key	Sub-category id
cat_id	int(5)	Foreign Key	Category id
status	boolean(2)	NotNull	Status

10. Quantity Table

Primary key: quantity_id

Field Name	Datatype	Constraints	Description
quantity_id	int(5)	Primary key	Quantity id
quantity_name	varchar(20)	NotNull	Quantity name

11. Add_product Table

PrimayKey: pro_id

Foreign Key: sub_cat_id, company_id, quantity_id

Field Name	Datatype	Constraints	Description
pro_id	int(5)	Primary Key	Requst id
sub_cat_id	int(5)	Foreign Key	Foreign key referenced from sub_category table
company_id	int(5)	Foreign Key	Foreign key referenced from company table
product name	varchar(10)	Not Null	Product Name
quantity_id	varchar(10)	Foreign Key	Quantity id
status	boolean(2)	Notnull	Status

12. Incoming_Table

Primary key: i_stock_id

Foreign Key: pro_id, supplier_id, quantity_id

Field Name	Datatype	Constraints	Description
i_stock_id	int(5)	Primary Key	Incoming stock id
pro_id	int(5)	Foreign Key	Foreign key referenced from add_product table
quantity_id	int(5)	Foreign Key	Foreign key referenced from quantity table
supplier_id	int(5)	Foreign Key	Foreign key referenced from supplier_reg table
status	boolean(2)	NotNull	Status

13. Stock_req Table

Primary Key: stock_req_id

Foreign Key: pro_id

Field Name	Datatype	Constraints	Description
stock_id	Int(5)	Primary key	Stock id
pro_id	Int(5)	Foreign key	Product id
req_date	date	Not null	Requested Date
status	boolean(2)	NotNull	Status

14. Stock Table

Primary Key: stock_id

Foreign Key: pro_id

Field Name	Datatype	Constraints	Description
stock_id	int(5)	Primary key	Stock id
pro_id	int(5)	Foreign key	Product id
outgoing_stock	varchar(20)	Notnull	Outgoing stock
i_stock_id	int(5)	Notnull	Incoming stock id
status	boolean(2)	Notnull	Status

15. Expiry_stock Table

Primary Key: expiry_stockid

Foreign Key: stock_id

Field Name	Datatype	Constraints	Description
expiry_stockid	int(5)	Primary key	Expiry stock id
stock_id	int(5)	Foreign key	Stock_id
expiry_date	date	Notnull	Expiry date
status	boolean(2)	Notnull	Status

16. Leave_type Table

Primary Key: leave_typeid

Field Name	Datatype	Constraints	Description
leave_typeid	int(5)	Primary key	Leave type id
leave_type	varchar(20)	NotNull	Leave type

17. Leave Table

Primary Key: leave_id

Foreign Key: leave_typeid, staff_id, session_id

Field Name	Datatype	Constraints	Description
leave_id	int(5)	Primary key	Leave id
leave_typeid	int(5)	Foreign Key	Foreign key from referenced Leave_type table
staff_id	int(5)	Foreign Key	Foreign key from referenced staff_reg table
session_id	int(5)	Foreign key	Foreign Key from session table
date	date	NotNull	Date
reason	varchar(100)	NotNull	Reason for taking leave
status	boolean(2)	NotNull	Status

18. Session Table

Primary Key: session_id

Field Name	Datatype	Constraints	Description
session_id	int(5)	Primary key	Session id
session_type	varchar(20)	NotNull	Session type