Covid 19 – Quararantaine Assistant (CARE-App)

TABLE DESIGN

1. User_Type:
- *This table contains different user types in this system. Helps to differentiate different users*
- ***PRIMARY KEY: UType_id***

Sl no	Field name	Datatype	Constraints	Description
1	UType_id	Int	Primary key	0|1|2|3|4|5
2	UserType	Varchar2	Not Null	Admin | PnchytOff | PoliceOff | MediStaf | Volunteer | User
3	Status	Boolean	1 | 0	1-active| 0-not active

2. Login:
- This table have login credentials of all users. *Status field determine whether the user is active or not.*
- ***PRIMARY KEY: U_id***
- ***FOREIGN KEY: UType_id (References User Type table)***

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key	Primary key
2	PhoneNo	Varchar2	Unique	Unique Username
3	Email	Varchar2	Unique	Unique Username
4	Password	Varchar2	Not Null	Strong password
5	UType_id	Int	Foreign key	0|1|2|3|4|5 References User Type table
6	Status	Boolean	1 | 0	1-active| 0-not active

3. Admin:

- This table contains basic details of Admin
- **PRIMARY KEY: U_id**
- **FOREIGN KEY: U_id (References Login table)**

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key| Foreign key	Foreign key reference the Login table
2	Name	Varchar2	Not null	Name of Admin
3	Status	Int	1 |0	1-active| 0-not active

4. Panchayat_Officer:

- This table contains basic details of Panchayat Officer
- **PRIMARY KEY: U_id**
- **FOREIGN KEY: U_id (References Login table)**

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key| Foreign key	Foreign key reference the Login table
2	Name	Varchar2	Not null	Name of Panchayat Officer
3	Pnchyt_id	int	Foreign key	Foreign key references panchayat table
4	Status	Int	1 |0	1-active| 0-not active

5. Volunteer:

- This table contains basic details of Volunteer
- *PRIMARY KEY: U_id*
- *FOREIGN KEY: U_id (References Login table)*

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key| Foreign key	Foreign key reference the Login table
2	Name	Varchar2	Not null	Name of Volunteer
3	Place_id	int	Foreign key	Foreign key reference the place table
4	Status	Int	1 |0	1-active| 0-not active

6. Medical_Staff:

- This table contains basic details of Medical Staff
- *PRIMARY KEY: U_id*
- *FOREIGN KEY: U_id (References Login table)*

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key| Foreign key	Foreign key reference the Login table
2	Name	Varchar2	Not null	Name of Medical Staff
3	Pnchyt_id	int	Foreign key	Foreign key reference the panchayat table
4	H_id	int	Foreign key	Foreign key reference the hospital table
5	Status	Int	1 |0	1-active| 0-not active

7. Police_Officer:

- This table contains basic details of Police Officer
- *PRIMARY KEY: U_id*
- *FOREIGN KEY: U_id (References Login table)*

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key | Foreign key	Foreign key reference the Login table
2	Name	Varchar2	Not null	Name of Police Officer
3	Pnchyt_id	int	Foreign key	Foreign key reference the panchayat table
4	Status	Int	1 |0	1-active| 0-not active

8. User:

- This table contains basic details of the user- the quarantined one
- *PRIMARY KEY: U_id*
- *FOREIGN KEY: U_id (References Login table)*
- *FOREIGN KEY: Pl_id (References Place table)*

Sl no	Field name	Datatype	Constraints	Description
1	U_id	Int	Primary key | Foreign key	Foreign key reference the Login table
2	Name	Varchar2	Not null	Name of Quarantined one
3	Pl_id	int	Foreign key	Foreign key reference the place table
4	QDate	Varchar2	Not null	Quarantine start date
5	Status	Int	1 |0	1-active| 0-not active

9. Place:

- This table contains basic details of Place- the street
- *PRIMARY KEY: Pl_id*
- *FOREIGN KEY: Pnchyt_id (References Panchayat table)*

Sl no	Field name	Datatype	Constraints	Description
1	Pl_id	Int	Primary key	Primary key
2	Place	Varchar2	Not null	Place name
3	Pnchyt_id	int	Foreign key	Foreign key reference the panchayat table
4	Status	Int	1 | 0	1-active| 0-not active

10. Panchayat:

- This table contains basic details of Panchayat
- *PRIMARY KEY: Pnchyt_id*
- *FOREIGN KEY: Sd_id (References SUB_district table)*

Sl no	Field name	Datatype	Constraints	Description
1	Pnchyt _id	Int	Primary key	Primary key
2	Panchayat	Varchar2	Not null	Panchayat name
3	Sd_id	int	Foreign key	Foreign key reference the sub district table
4	Status	Int	1 | 0	1-active| 0-not active

11. Sub District:
- This table contains basic details of Sub District
- *PRIMARY KEY: Sd_id*
- *FOREIGN KEY: Dt_id (References District table)*

Sl no	Field name	Datatype	Constraints	Description
1	Sd_id	Int	Primary key	Primary key
2	Sd_name	Varchar2	Not null	Sub district name
3	Dt_id	int	Foreign key	Foreign key reference the place table
4	Status	Int	1 | 0	1-active| 0-not active

12. District:
- This table contains basic details of District
- *PRIMARY KEY: Dt_id*

Sl no	Field name	Datatype	Constraints	Description
1	Dt _id	Int	Primary key	Primary key
2	Dt _name	Varchar2	Not null	District name
3	Status	Int	1 | 0	1-active| 0-not active

13. Hospital :
- This table contains basic details of Hospital
- *PRIMARY KEY: H_id*
- *FOREIGN KEY: Place_id (References Place table)*

Sl no	Field name	Datatype	Constraints	Description
1	H _id	Int	Primary key	Primary key
2	H _name	Varchar2	Not null	District name
3	Place_id	Int	Foreign key	Foreign key reference the place table
4	Status	Int	1 | 0	1-active| 0-not active

14. Product:

- This table contains basic details of products
- *PRIMARY KEY: Prdt_id*
- *FOREIGN KEY: PType_id (References Product_Type table)*

Sl no	Field name	Datatype	Constraints	Description
1	Prdt_id	Int	Primary key	Primary key
2	Name	Varchar2	Not null	Name of Product
3	PType_id	Int	Foreign key	Foreign key reference the product_type table
4	Status	Boolean	1|0	1-active| 0-not active

15. Product_Type:

- This table contains basic details of product type (a sub category of product)
- *PRIMARY KEY: PType_id*

Sl no	Field name	Datatype	Constraints	Description
1	PType_id	Int	Primary key	Primary key
2	Name	Varchar2	Not null	Name of Product Type

3	Count	Int	Not null	Total no of Availability
4	Amount	float	Not null	Amount of 1kg | small quantity
5	Status	Boolean	1|0	1-active| 0-not active

16. Cart:

- This table contains basic details of cart
- *PRIMARY KEY: Cart_id*
- *FOREIGN KEY: U_id (References Login table)*
- *FOREIGN KEY: Prdt_id (References Product table)*

Sl no	Field name	Datatype	Constraints	Description
1	cart_id	Int	Primary key	Primary key
2	User_id	Int	Foreign key	Foreign key reference the user table
3	Prdt_id	Int	Foreign key	Foreign key reference the product table
3	Count	int	Not null	Total no of each products

17. Order:

- This table contains basic details of an order
- *PRIMARY KEY: Order_id*
- *FOREIGN KEY: U_id (References Login table)*

Sl no	Field name	Datatype	Constraints	Description
1	Ordr_id	Int	Primary key	Primary key
2	User_id	int	Foreign key	Foreign key reference the user table
3	Orderdate	Vachar2	Order Date	Order Date

Sl no	Field name	Datatype	Constraints	Description
4	mode	Boolean	Not null	Payment mode (online: 1|cod:0)
5	Amt	Float	Not null	Total Amount
6	status	Boolean	1|0	1|0

18. Medical Request:

- This table contains basic details of an medical request
- *PRIMARY KEY: Req_id*
- *FOREIGN KEY: U_id (References Login table)*

Sl no	Field name	Datatype	Constraints	Description
1	req_id	Int	Primary key	Primary key
2	User_id	int	Foreign key	Foreign key reference the user table
3	Reason	Vachar2	Not null	Reason of request
4	Request Date	Varchar2	Not null	Request Date
6	status	Boolean	1|0	1|0