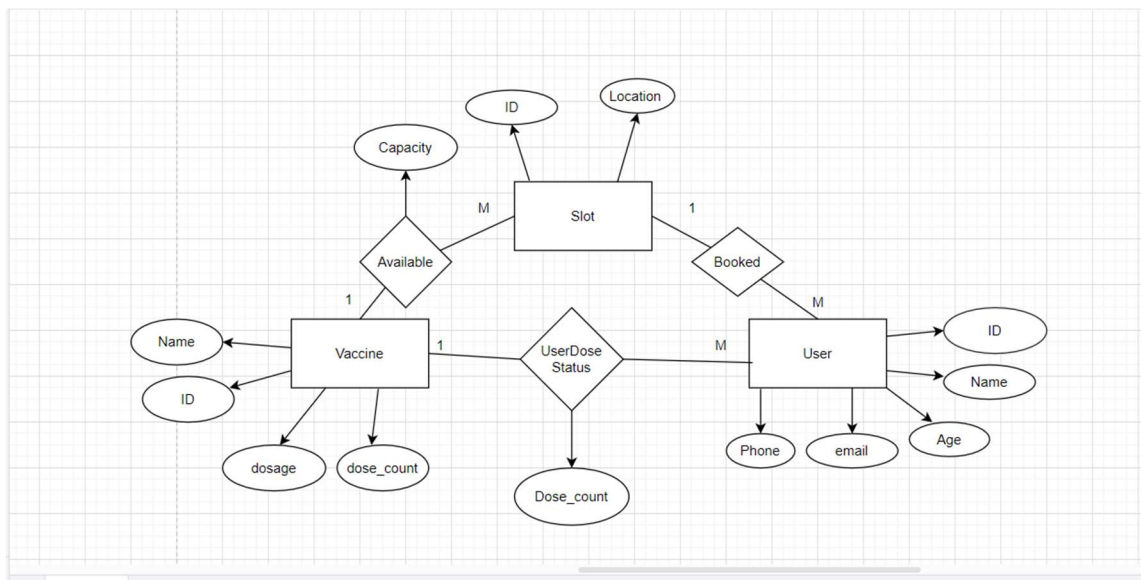# Covid Vaccination Information Tracker

Abstract:

The Covid Vaccination Information Tracker Database is designed to keep track of available vaccination slots and the type of vaccine being administered. It also tracks the vaccination status of users, indicating whether they have taken dose 1, dose 2, or a booster shot.

The database can be used by healthcare providers, governments, and individuals to monitor the availability of vaccines and the vaccination status of their community or themselves. This information can be used to identify areas with low vaccination rates and target efforts to increase vaccination coverage.

Overall, the Covid Vaccination Information Tracker Database is an essential tool for managing the Covid-19 pandemic and ensuring that people receive the appropriate vaccinations to protect themselves and their communities.

ER Diagram:

User_det Table:

Column	DataType
User_Id	Integer
Name	Varchar
Age	Integer
Phone	Integer
Email	Varchar

PrimaryKey: User_Id

Slot Table:

Column	DataType
Slot_Id	Integer
Location	Varchar

Primary Key: Slot_Id

Vaccine Table:

Column	DataType
Vaccine_Id	Integer
Name	Varchar
Dosage	Integer
Dose_count	Integer

Primary Key:Vaccine_Id

Available Table:

Column	Data Type
Vaccine_Id	Integer
Slot_Id	Integer
Capacity	Integer

Foreign Key:Vaccine_id references Vaccine;

Foreign Key: Slot_Id references Slot;

primaryKey:Vaccine_id& Slot_Id

Booked Table:

Column	DataType
Slot_id	Integer
User_id	Integer

Foreign key: Slot_id references slot

Foreign key: User Id references slot

Primary Key: slot_id&user_id

UserDoseStatus Table:

Column	DataType
User_id	Integer
Vaccine_Id	Integer
Dose_count	Integer

Foreign Key:User_id references user_det

Foreign key: Vaccine_id refences vaccine

Primary key:User_id & Vaccine_id

```
SQL> desc available;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 VACCINE_ID                                NOT NULL NUMBER(38)
 SLOT_ID                                   NOT NULL NUMBER(38)
 CAPACITY                                           NUMBER(38)

SQL> desc slot;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SLOT_ID                                   NOT NULL NUMBER(38)
 LOCATION                                  NOT NULL VARCHAR2(225)

SQL> desc booked;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 USER_ID                                   NOT NULL NUMBER(38)
 SLOT_ID                                   NOT NULL NUMBER(38)

SQL> desc user_det;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 USER_ID                                   NOT NULL NUMBER(38)
 NAME                                      NOT NULL VARCHAR2(225)
 AGE                                       NOT NULL NUMBER(38)
 EMAIL                                     NOT NULL VARCHAR2(225)
 PHONE                                     NOT NULL VARCHAR2(20)

SQL> desc vaccine;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 VACCINE_ID                                NOT NULL NUMBER(38)
 NAME                                      NOT NULL VARCHAR2(225)
 DOSAGE                                    NOT NULL NUMBER(38)
 DOSE_COUNT                                NOT NULL NUMBER(38)

SQL> desc userdosesataus;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 VACCINE_ID                                NOT NULL NUMBER(38)
 USER_ID                                   NOT NULL NUMBER(38)
 DOSE_COUNT                                NOT NULL NUMBER(38)

SQL>
```