

# Mini Project

## ***Title: Covid Management System***

### ***Problem Statement:***

The project focuses on handling a user and an admin, with the scope of bed booking/handling, and vaccine booking/handling.

A user is identified by user id(pk), username and password.

User has functionality of either booking a vaccine or a bed. A user can book more than one vaccine slot/beds.

A vaccine has attributes of slot date, type and slot time.

These vaccines are available at vaccine centres which have their centre id(pk), address, pincode, type, cname and d\_count(dose count).

The user wanting to book a bed gets registered as patient, identified by patient id(pk), fname, lname, phone, ssn, dob(age as derived) and gender.

Patient gets admitted in hospital having, reg\_no(pk), pincode, phone\_no, hname, email, address and count of available beds. A hospital has many patients.

A hospital has many beds which are identified by type, bed\_no, status and user.


An admin having a password can login to the respective hospital/vaccine centre and can update status of beds and vaccine count respectively.

A hospital has more than one people having admin authorities and same for vaccine centre.

### **Group Members:**

- ***Vashisth Zatakia – SAP: 60003200163***
- ***Yash Brahmhatt – SAP: 60003200159***

## Front End Design:



—

□

×

### User Login

Enter Your:

Username


Password

Enter

Not a user..? 

SignUp

Back



—

□

×

### Welcome temp!

Logout

Select Your Service:

Vaccine Booking

Enter Pincode

400097

Select Type:

Covishield

Search

Slots Available:


2022-01-30

10-12

Back

Recent Booking

| Centre_ID | Name  | Available |
|-----------|---|-----------|
| 7         | S.K. Patil Mahanagarpalika General Hospital | 200       |



—

□

×

### Acknowledgement Reciept

Logout

User\_ID: 12

Centre\_ID: 7

Centre Name: S.K. Patil Mahanagarpalika General Hospital

Type: Covishield

Date: 2022-01-30

Time: 10-12

Dashboard

Signed in as temp!

| Reg_no | Name                            | Pincode | Available Beds |
|--------|---------------------------------|---------|----------------|
| 9      | P. D. Hinduja National Hospital | 400016  | 10             |
| 10     | Mv Aarogya Medical Center       | 400016  | 10             |
| 18     | SL Raheja Hospital              | 400016  | 4              |

Enter Pincode

400016

Search

O2

2

Continue

Dashboard

Logout

Patient Details

Logout

First Name:

Temp

Last Name:

pass

DOB:

2022-01-29

Gender:

Male

Aadhar no.

123456789123

Phone

1234567890

Confirm

Message

i

Bed 502 booked successfully! Contact: 24443893 for more details...

OK

Dashboard

Admin Login

Select: ☒ Hospital ☐ Vaccine Centre

Reg.no/CentreID:

Password:

Enter

Back

## Event handling code:

(Entering patient details):

```
private void Confrim_BedActionPerformed(java.awt.event.ActionEvent evt) {  
  
    if(ssn.getText().length() != 12){  
        JOptionPane.showMessageDialog(null, "Aadhar card number should be of  
length 12!");  
    } //Check for validation of aadhar card number  
    else if(phone.getText().length() != 10){  
        JOptionPane.showMessageDialog(null, "Phone number should be of 10  
digits!");  
    } //Check for validation of phone number  
    else{  
        Connection con = CovidManagement.connector();  
        String sql = "update beds set user=?, status='NA' where status='A' and reg_no=?  
and type=? and bed_no=?";  
        PreparedStatement ps = null;  
        try{  
            ps = con.prepareStatement(sql);  
            ps.setString(1, usn);  
            ps.setString(2, reg);  
            ps.setString(3, type);  
            ps.setString(4, bed);  
            ps.executeUpdate();  
        }catch(SQLException e){JOptionPane.showMessageDialog(null, e);}  
        try{  
            sql = "insert into patient(lname, fname, dob, gender, ssn, user_name, phone)  
values(?,?,?,?,?,?,?)";  
            ps = con.prepareStatement(sql);  
            ps.setString(1, lname.getText());  
            ps.setString(2, fname1.getText());  
            ps.setString(3, dob.getText());  
            ps.setString(4, gender.getText());  
            ps.setString(5, ssn.getText());  
            ps.setString(6, usn);  
            ps.setString(7, phone.getText());  
            if(ps.execute()){  
                JOptionPane.showMessageDialog(null, "Error occurred!");  
            }  
        }  
        else{
```

```

int i = 0;
String[] arr = new String[2];
sql = "SELECT * FROM hp_phone WHERE reg_no=?";
ps = con.prepareStatement(sql);
ps.setString(1, reg);
ResultSet rs = ps.executeQuery();
while(rs.next()){
    arr[i++] = String.valueOf(rs.getString("phone_no"));
}
if(i==1)
    JOptionPane.showMessageDialog(null, "Bed "+bed+" booked successfully!
Contact: "+arr[--i]+" for more details...");
else{
    JOptionPane.showMessageDialog(null, "Bed "+bed+" booked successfully!
Contact: "+arr[--i]+"/"+arr[--i]+" for more details...");
}
try{

    sql = "update hospital set available_beds = available_beds - 1 where reg_no=?";
    ps = con.prepareStatement(sql);
    ps.setString(1, reg);
    ps.executeUpdate();
    dispose();
    User uru = new User(usn);
    uru.setVisible(true);
} catch(SQLException e){JOptionPane.showMessageDialog(null, e);}
}
} catch(SQLException e){JOptionPane.showMessageDialog(null, "Bed already
booked for the entered aadhar number!");}

}
}

(User verification with captcha like security):
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    if(signup == false){
        Connection con = CovidManagement.connector();
        String sql = "SELECT * FROM user WHERE user_name=? AND password=?";
        PreparedStatement ps = null;
        try {
            ps = con.prepareStatement(sql);

```

```

ps.setString(1, Username_Input1.getText());
ps.setString(2, Password_Input1.getText());
ResultSet rs = ps.executeQuery();
if(rs.next()){
    int k1 = new Random().nextInt(20);
    int k2 = new Random().nextInt(20);
    String ans = JOptionPane.showInputDialog(null, "Enter "+k1+"-"+k2+":");
    if(ans != null){
        int a = Integer.parseInt(ans);
        if(a == (k1+k2)){
            JOptionPane.showMessageDialog(null, "Access Granted!");
            String t = Username_Input1.getText();
            dispose();
            User uss = new User(t);
            uss.setVisible(true);
        }else{JOptionPane.showMessageDialog(null, "Access Denied!");}
    }
}
else{
    JOptionPane.showMessageDialog(null, "Incorrect Credentials! Try again Or Sign Up!");
    Username_Input1.setText("");
    Password_Input1.setText(""); }
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(null, "Username already exists!");
}
}

else{
    Connection con = CovidManagement.connector();
    String sql = "INSERT INTO user(user_name,password) VALUES(?,?)";
    PreparedStatement ps = null;
    try {
        ps = con.prepareStatement(sql);
        ps.setString(1, Username_Input1.getText());
        ps.setString(2, Password_Input1.getText());
        if(ps.execute()){
            JOptionPane.showMessageDialog(null, "Error occurred");
        }
    }
    else{
        JOptionPane.showMessageDialog(null, "Credentials entered successfully!");
    }
}

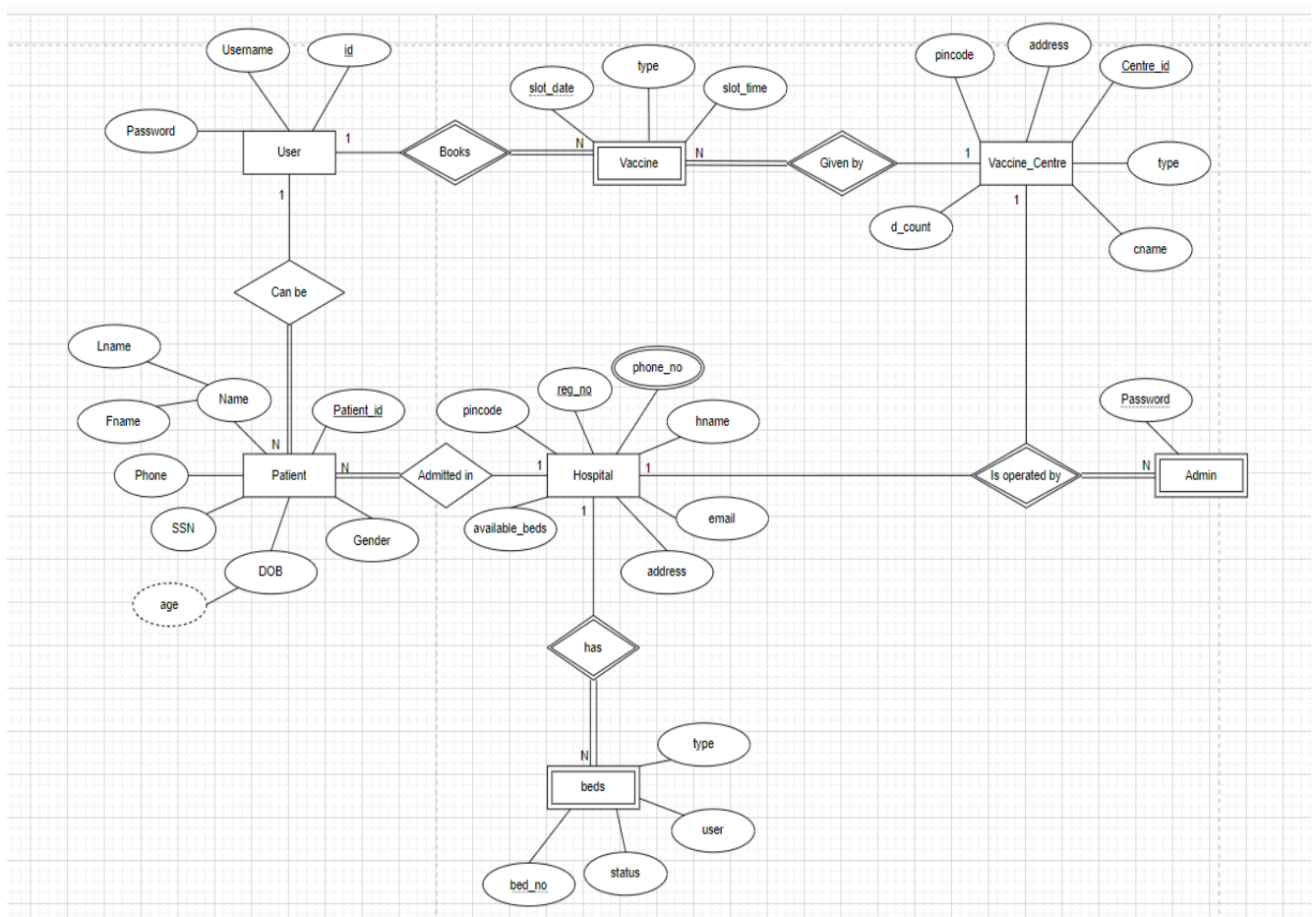
```

```

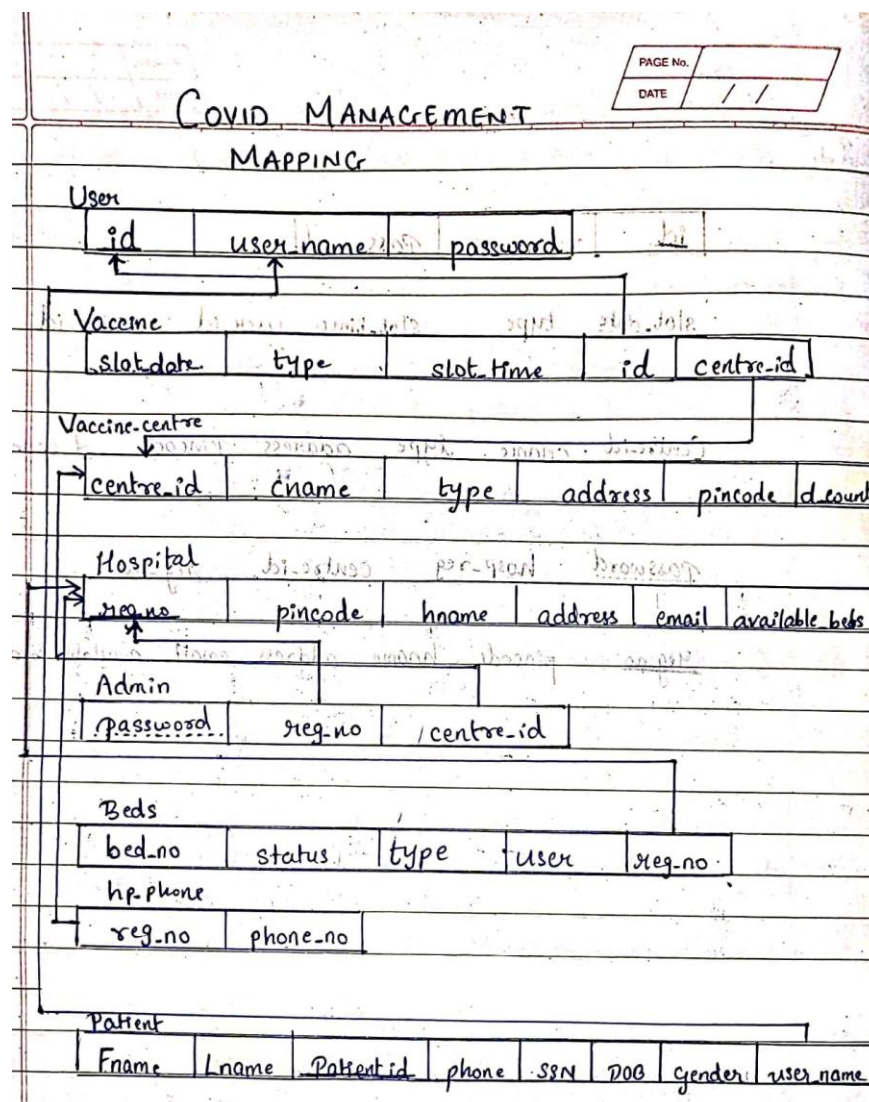
    }
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(null, "Username already exists!");
}
Sign_Up_Btn.setVisible(true);
jLabel1.setVisible(true);
jLabel2.setVisible(false);
signup = false;
Username_Input1.setText("");
Password_Input1.setText("");
}

```

### ER Diagram:



## Mapping:



## Connectivity Code:

```

static Connection connector(){
    Connection con = null;
    try{
        con =
        DriverManager.getConnection("jdbc:mysql://localhost:3306/JDproject?user=root&password=mysql@2003");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    return con;
}
  
```



## Table with rows:

DESC user;

| Field     | Type        | Null | Key | Default | Extra          |
|-----------|-------------|------|-----|---------|----------------|
| id        | int         | NO   | PRI | NULL    | auto_increment |
| user_name | varchar(45) | NO   | UNI | NULL    |                |
| password  | varchar(45) | NO   |     | NULL    |                |

Select \* from user;

|   | id   | user_name | password |
|---|------|-----------|----------|
| ▶ | 12   | temp      | pass     |
| * | NULL | NULL      | NULL     |

DESC patient;

| Field      | Type          | Null | Key | Default | Extra          |
|------------|---------------|------|-----|---------|----------------|
| patient_id | int           | NO   | PRI | NULL    | auto_increment |
| lname      | varchar(45)   | NO   |     | NULL    |                |
| fname      | varchar(45)   | NO   |     | NULL    |                |
| dob        | date          | NO   |     | NULL    |                |
| gender     | varchar(10)   | NO   |     | NULL    |                |
| SSN        | decimal(12,0) | NO   | UNI | NULL    |                |
| user_name  | varchar(45)   | NO   | MUL | NULL    |                |
| phone      | decimal(10,0) | YES  |     | NULL    |                |
| age        | int           | YES  |     | NULL    |                |

Select \* from patient;

|   | patient_id | fname | lname | dob        | gender | SSN          | user_name | phone      | age  |
|---|------------|-------|-------|------------|--------|--------------|-----------|------------|------|
| ▶ | 1          | Temp  | pass  | 2022-01-29 | Male   | 123456789123 | temp      | 1234567890 | 0    |
| * | NULL       | NULL  | NULL  | NULL       | NULL   | NULL         | NULL      | NULL       | NULL |

DESC vaccine;

| Field     | Type        | Null | Key | Default | Extra |
|-----------|-------------|------|-----|---------|-------|
| id        | int         | NO   | MUL | NULL    |       |
| type      | varchar(20) | YES  |     | NULL    |       |
| slot_date | date        | YES  |     | NULL    |       |
| slot_time | varchar(20) | YES  |     | NULL    |       |
| centre_id | int         | YES  | MUL | NULL    |       |

select \* from vaccine;

|   | id | type       | slot_date  | slot_time | centre_id |
|---|----|------------|------------|-----------|-----------|
| ▶ | 12 | Covishield | 2022-01-30 | 10-12     | 7         |

DESC vaccine\_centre;

| Field     | Type         | Null | Key | Default | Extra          |
|-----------|--------------|------|-----|---------|----------------|
| centre_id | int          | NO   | PRI | NULL    | auto_increment |
| type      | varchar(20)  | NO   |     | NULL    |                |
| cname     | varchar(45)  | NO   |     | NULL    |                |
| address   | varchar(100) | NO   |     | NULL    |                |
| pincode   | int          | NO   |     | NULL    |                |
| d_count   | int          | YES  |     | NULL    |                |

select \* from vaccine\_centre;

|   | centre_id | type       | cname                                       | address  | pincode | d_count |
|---|-----------|------------|---|--|---------|---------|
| ▶ | 1         | covishield | SRV Hospital                                | 179, Kamal Charan Building, 180, Rd Number 2,...   | 400062  | 200     |
|   | 2         | covaxin    | Suvidha Hospital & Polyclinic               | 275, Rd Number 3, Jawahar Nagar, Goregaon ...      | 400104  | 200     |
|   | 3         | covishield | Dr. Rane Hospital                           | Station Rd, Sanjay Gandhi Nagar, Gandhi Nagar...   | 400060  | 200     |
|   | 4         | covaxin    | Aditya Nursing Home Andheri west            | Aditya nursing home Barda wadi, Andheri West       | 400058  | 200     |
|   | 5         | covishield | Kokilaben Dhirubhai Ambani Hospital         | Rao Saheb, Achutrao Patwardhan Marg, Four ...      | 400053  | 200     |
|   | 6         | covaxin    | Lion Kartar Singh Hospital                  | 1st Floor, 6- B, Dadabhai Cross Rd, near Navra...  | 400009  | 200     |
|   | 7         | covishield | S.K. Patil Mahanagarpalika General Hospital | Daftary Road, Malkani Estate, Pushpa Park, Mal...  | 400097  | 199     |
|   | 8         | covaxin    | DNA Multispeciality Hospital                | 2, Whispering Palms Shopping Complex Akurli R...   | 400101  | 200     |
|   | 9         | covishield | Thunga Hospital                             | Opp. Nirman Hitech Diagnostics, Goraswadi Lan...   | 400064  | 200     |
|   | 10        | covaxin    | Shree Naminath Jain Foundation              | Mahavir Nagar, Borivali                            | 400066  | 200     |
|   | 11        | covishield | BKC JUMBO COVID FACILITY 1                  | MMRDA GROUND BKC MUMBAI, Mumbai                    | 400051  | 200     |
|   | 12        | covaxin    | SOMAIYA JUMBO CENTRE SION                   | Sion Somaiya Jumbo Covid Centre Somaiya Gro...     | 400022  | 200     |
|   | 13        | covishield | AMEYA SURGICAL AND GENERAL NHF              | 23 Ajit Nagar J.B. Nagar Andheri East              | 400059  | 200     |
|   | 14        | covaxin    | WELLSPRING HEALTHCARE CENTRE                | WELLNESS HEALTHSPRING CENTRE SHOP NO. ...          | 400005  | 200     |
|   | 15        | covishield | DR ALVAS DIAGNOSTIC CENTRE                  | 113 Prabhadevi Industrial Estate Next To Kohin...  | 400025  | 200     |
|   | 16        | covaxin    | JASLOK HOSPITAL 1                           | 15 Dr G Deshmukh Marg Peddar Road Mumbai, ...      | 400026  | 200     |
|   | 17        | covishield | BALAJI HEART HOSPITAL                       | BYCULLA Cross Lane III Victoria Road Byculla East  | 400027  | 200     |
|   | 18        | covaxin    | HOLY SPIRIT HOSPITAL 1                      | Mahakali Caves Rd Sher E Punjab Colony Andhe...    | 400093  | 200     |
|   | 19        | covishield | MY AAROGYA CENTER                           | Building No 53 Radheshyam Soc. Opp. MIG. Crik...   | 400061  | 200     |
|   | 20        | covaxin    | AXON HOSPITAL                               | Pranik Chamber Building 5 Th Floor A Wing Sakiv... | 400072  | 200     |
| * | NULL      | NULL       | NULL  | NULL   | NULL    | NULL    |

Desc admin;

| Field     | Type        | Null | Key | Default | Extra |
|-----------|-------------|------|-----|---------|-------|
| reg_no    | int         | YES  | MUL | NULL    |       |
| password  | varchar(45) | YES  |     | NULL    |       |
| centre_id | int         | YES  | MUL | NULL    |       |

Select \* from admin;

|   | reg_no | password | centre_id |
|---|--------|----------|-----------|
| ▶ | 1      | pass     | 1         |
|   | 2      | pass     | 2         |
|   | 3      | pass     | 3         |
|   | 4      | pass     | 4         |
|   | 5      | pass     | 5         |
|   | 6      | pass     | 6         |
|   | 7      | pass     | 7         |
|   | 8      | pass     | 8         |
|   | 9      | pass     | 9         |
|   | 10     | pass     | 10        |
|   | 11     | pass     | 11        |
|   | 12     | pass     | 12        |
|   | 13     | pass     | 13        |
|   | 14     | pass     | 14        |
|   | 15     | pass     | 15        |
|   | 16     | pass     | 16        |
|   | 17     | pass     | 17        |
|   | 18     | pass     | 18        |
|   | 19     | pass     | 19        |
|   | 20     | pass     | 20        |
|   | 21     | pass     | NULL      |
|   | 22     | pass     | NULL      |

DESC beds;

| Field  | Type        | Null | Key | Default | Extra |
|--------|-------------|------|-----|---------|-------|
| reg_no | int         | NO   | MUL | NULL    |       |
| bed_no | int         | NO   |     | NULL    |       |
| type   | varchar(20) | NO   |     | NULL    |       |
| status | varchar(2)  | NO   |     | NULL    |       |
| user   | varchar(45) | YES  | MUL | NULL    |       |

Select\* from beds;

| reg_no | bed_no | type | status | user |
|--------|--------|------|--------|------|
| ▶      | 1      | 101  | NORMAL | A    |
|        | 1      | 102  | NORMAL | A    |
|        | 1      | 201  | ICU    | A    |
|        | 1      | 202  | ICU    | A    |
|        | 1      | 301  | COVID  | A    |
|        | 1      | 302  | COVID  | A    |
|        | 1      | 401  | O2     | A    |
|        | 1      | 402  | O2     | A    |
|        | 1      | 501  | NON-O2 | A    |
|        | 1      | 502  | NON-O2 | A    |
|        | 2      | 101  | NORMAL | A    |
|        | 2      | 102  | NORMAL | A    |
|        | 2      | 201  | ICU    | A    |
|        | 2      | 202  | ICU    | A    |
|        | 2      | 301  | COVID  | A    |
|        | 2      | 302  | COVID  | A    |
|        | 2      | 401  | O2     | A    |
|        | 2      | 402  | O2     | A    |
|        | 2      | 501  | NON-O2 | A    |
|        | 2      | 502  | NON-O2 | A    |
|        | 3      | 101  | NORMAL | A    |
|        | 3      | 102  | NORMAL | A    |
|        | 3      | 201  | ICU    | A    |
|        | 3      | 202  | ICU    | A    |
|        | 2      | 501  | NON-O2 | A    |
|        | 2      | 502  | NON-O2 | A    |
|        | 5      | 101  | NORMAL | A    |
|        | 5      | 102  | NORMAL | A    |
|        | 5      | 201  | ICU    | A    |
|        | 5      | 202  | ICU    | A    |
|        | 5      | 301  | COVID  | A    |
|        | 5      | 302  | COVID  | A    |
|        | 5      | 401  | O2     | A    |
|        | 5      | 402  | O2     | A    |
|        | 5      | 501  | NON-O2 | A    |
|        | 5      | 502  | NON-O2 | A    |
|        | 6      | 101  | NORMAL | A    |
|        | 6      | 102  | NORMAL | A    |
|        | 6      | 201  | ICU    | A    |
|        | 6      | 202  | ICU    | A    |
|        | 6      | 301  | COVID  | A    |
|        | 6      | 302  | COVID  | A    |
|        | 6      | 401  | O2     | A    |
|        | 6      | 402  | O2     | A    |
|        | 6      | 501  | NON-O2 | A    |
|        | 6      | 502  | NON-O2 | A    |
|        | 7      | 101  | NORMAL | A    |
|        | 7      | 102  | NORMAL | A    |
|        | 7      | 201  | ICU    | A    |
|        | 7      | 202  | ICU    | A    |
|        | 7      | 301  | COVID  | A    |
|        | 7      | 302  | COVID  | A    |

| reg_no | bed_no | type   | status | user |
|--------|--------|--------|--------|------|
| 7      | 401    | O2     | A      |      |
| 7      | 402    | O2     | A      |      |
| 7      | 501    | NON-O2 | A      |      |
| 7      | 502    | NON-O2 | A      |      |
| 8      | 101    | NORMAL | A      |      |
| 8      | 102    | NORMAL | A      |      |
| 8      | 201    | ICU    | A      |      |
| 8      | 202    | ICU    | A      |      |
| 8      | 301    | COVID  | A      |      |
| 8      | 302    | COVID  | A      |      |
| 8      | 401    | O2     | A      |      |
| 8      | 402    | O2     | A      |      |
| 8      | 501    | NON-O2 | A      |      |
| 8      | 502    | NON-O2 | A      |      |
| 9      | 101    | NORMAL | A      |      |
| 9      | 102    | NORMAL | A      |      |
| 9      | 201    | ICU    | A      |      |
| 9      | 202    | ICU    | A      |      |
| 9      | 301    | COVID  | A      |      |
| 9      | 302    | COVID  | A      |      |
| 9      | 401    | O2     | A      |      |
| 9      | 402    | O2     | A      |      |
| 9      | 501    | NON-O2 | A      |      |
| 9      | 502    | NON-O2 | A      |      |

|    |     |        |    |      |
|----|-----|--------|----|------|
| 10 | 101 | NORMAL | A  |      |
| 10 | 102 | NORMAL | A  |      |
| 10 | 201 | ICU    | A  |      |
| 10 | 202 | ICU    | A  |      |
| 10 | 301 | COVID  | A  |      |
| 10 | 302 | COVID  | A  |      |
| 10 | 401 | O2     | A  |      |
| 10 | 402 | O2     | A  |      |
| 10 | 501 | NON-O2 | A  |      |
| 10 | 502 | NON-O2 | NA | temp |

|    |     |        |   |      |    |     |        |   |      |
|----|-----|--------|---|------|----|-----|--------|---|------|
| 11 | 101 | NORMAL | A | NULL | 16 | 101 | COVID  | A | NULL |
| 11 | 102 | NORMAL | A | NULL | 16 | 102 | CICU   | A | NULL |
| 11 | 201 | ICU    | A | NULL | 16 | 201 | NORMAL | A | NULL |
| 11 | 202 | ICU    | A | NULL | 16 | 202 | O2     | A | NULL |
| 11 | 301 | COVID  | A | NULL | 17 | 101 | COVID  | A | NULL |
| 11 | 302 | COVID  | A | NULL | 17 | 102 | COVID  | A | NULL |
| 11 | 401 | O2     | A | NULL | 17 | 201 | NORMAL | A | NULL |
| 11 | 402 | O2     | A | NULL | 17 | 202 | O2     | A | NULL |
| 11 | 501 | NON-O2 | A | NULL | 18 | 101 | COVID  | A |      |
| 11 | 502 | NON-O2 | A | NULL | 18 | 102 | COVID  | A |      |
| 12 | 101 | NORMAL | A | NULL | 18 | 201 | COVID  | A |      |
| 12 | 102 | NORMAL | A | NULL | 18 | 202 | NORMAL | A | NULL |
| 12 | 201 | ICU    | A | NULL | 19 | 101 | COVID  | A | NULL |
| 12 | 202 | ICU    | A | NULL | 19 | 102 | COVID  | A | NULL |
| 12 | 301 | COVID  | A | NULL | 19 | 201 | ICU    | A | NULL |
| 12 | 302 | COVID  | A | NULL | 19 | 202 | NON-O2 | A | NULL |
| 12 | 401 | O2     | A | NULL | 20 | 101 | COVID  | A | NULL |
| 12 | 402 | O2     | A | NULL | 20 | 102 | COVID  | A | NULL |
| 12 | 501 | NON-O2 | A | NULL | 20 | 201 | NORMAL | A | NULL |
| 12 | 502 | NON-O2 | A | NULL | 20 | 202 | ICU    | A | NULL |
| 13 | 101 | NORMAL | A | NULL | 21 | 101 | COVID  | A | NULL |
| 13 | 102 | O2     | A | NULL | 21 | 102 | COVID  | A | NULL |
| 13 | 201 | ICU    | A | NULL | 21 | 201 | COVID  | A | NULL |
| 13 | 202 | COVID  | A | NULL | 21 | 202 | NORMAL | A | NULL |
| 14 | 101 | COVID  | A | NULL | 22 | 101 | NORMAL | A | NULL |
| 14 | 102 | COVID  | A | NULL | 22 | 102 | O2     | A | NULL |
| 14 | 201 | NORMAL | A | NULL | 22 | 201 | ICU    | A | NULL |
| 14 | 202 | NORMAL | A | NULL | 22 | 202 | NON-O2 | A | NULL |
| 15 | 101 | COVID  | A | NULL |    |     |        |   |      |
| 15 | 102 | O2     | A | NULL |    |     |        |   |      |
| 15 | 201 | NON-O2 | A | NULL |    |     |        |   |      |
| 15 | 202 | COVID  | A | NULL |    |     |        |   |      |

DESC hp\_phone;

| Field    | Type | Null | Key | Default | Extra |
|----------|------|------|-----|---------|-------|
| reg_no   | int  | NO   | MUL | NULL    |       |
| phone_no | int  | NO   |     | NULL    |       |

Select\* from hp\_phone;

|   | reg_no | phone_no  |  |    |          |
|---|--------|-----------|--|----|----------|
|   |        |           |  | 11 | 25915777 |
| ▶ | 1      | 23671888  |  | 12 | 24177000 |
|   | 1      | 23672888  |  | 12 | 24146750 |
|   | 2      | 23803672  |  | 13 | 67994444 |
|   | 2      | 23805898  |  | 14 | 30999999 |
|   | 3      | 25763333  |  | 15 | 26267500 |
|   | 3      | 25763300  |  | 16 | 20385862 |
|   | 4      | 265281000 |  | 17 | 67676767 |
|   | 5      | 66573333  |  | 18 | 66529999 |
|   | 6      | 24136051  |  | 19 | 67670101 |
|   | 7      | 66986666  |  | 20 | 67556755 |
|   | 8      | 24177600  |  | 21 | 66921000 |
|   | 9      | 24452222  |  | 22 | 26751000 |
|   | 9      | 24449199  |  |    |          |
|   | 10     | 24443893  |  |    |          |

DESC hospital;

| Field          | Type         | Null | Key | Default | Extra |
|----------------|--------------|------|-----|---------|-------|
| reg_no         | int          | NO   | PRI | NULL    |       |
| hname          | varchar(50)  | NO   |     | NULL    |       |
| address        | varchar(100) | NO   |     | NULL    |       |
| pincode        | int          | NO   |     | NULL    |       |
| email          | varchar(45)  | NO   | UNI | NULL    |       |
| available_beds | int          | YES  |     | NULL    |       |

Select \* from hospital;

|   | reg_no | hname  | address                                | pincode | email                           | available_beds |
|---|--------|--|--|---------|---------------------------------|----------------|
| ▶ | 1      | Breach Candy Hospital                          | 60-A Bhulabhai Desai Road              | 400026  | info@breachcandyhospital.org    | 10             |
|   | 2      | C. C. Cumballa Hill Hospital & Heart Institute | August Kranti Marg                     | 400036  | chh@vsnl.com                    | 10             |
|   | 3      | Dr. E. M. Hiranandani Hospital                 | Hiranandani Gardens, Powai             | 400076  | wecare@hiranandanihospital.org  | 10             |
|   | 4      | IPC Heart Care Centre                          | Raghuvanshi Mill Compound, Lower Parel | 400013  | pratiksha@ipc-india.com         | 10             |
|   | 5      | Jaslok Hospital                                | Dr. Deshmukh Marg, Pedder Road         | 400026  | info@jaslokhospital.net         | 10             |
|   | 6      | King Edward Memorial Hospital                  | Acharya Donde Marg, Parel              | 400012  | websitecontact@kem.edu          | 10             |
|   | 7      | Asian Heart Institute                          | Bandra Kurla Complex, Bandra (E)       | 400051  | info@ahirc.com                  | 10             |
|   | 8      | Aditya Jyot Eye Care Hospital                  | Major Parmeshwaran Road, Wadala        | 400031  | ajeh@vsnl.com                   | 10             |
|   | 9      | P. D. Hinduja National Hospital                | Veer Savarkar Marg, Mahim              | 400016  | info@hindujahospital.com        | 10             |
|   | 10     | My Aarogya Medical Center                      | Raheja Rugnalaya Marg, Mahim           | 400016  | info@amc.in                     | 9              |
|   | 11     | R G Stone Urology Centre                       | Valiji Ladha Road, Mulund (W)          | 400080  | info@rgsuc.in                   | 10             |
|   | 12     | Tata Memorial Hospital                         | Dr. E Borges Road, Parel               | 400012  | tmcit1@vsnl.com                 | 10             |
|   | 13     | Wockhardt Hospital                             | Mulund Goregaon Link Road              | 400011  | help@whosp.com                  | 4              |
|   | 14     | Kokilaben Dhirubhai Ambani Hospital            | Four Bungalows, Andheri (W)            | 400053  | info@kdah.com                   | 4              |
|   | 15     | Nanavati Hospital                              | Vile Parle (W)                         | 400056  | marketing@nanavatihospital.org  | 4              |
|   | 16     | Fortis Hospital                                | Mulund (W)                             | 400078  | fortis@mumbai.in                | 4              |
|   | 17     | Seven Hill Hospital                            | Andheri (E)                            | 400059  | response@sevenhillshospital.com | 4              |
|   | 18     | SL Raheja Hospital                             | Mahim (W)                              | 400016  | info@rahejhospital.com          | 4              |
|   | 19     | Global Hospital                                | Parel                                  | 400012  | info@globalhospital.in          | 4              |
|   | 20     | Kohinoor Hospital                              | Kurla (W)                              | 400070  | info@kohinoorhospitals.in       | 4              |
|   | 21     | Shroff Eye Hospital                            | S. V. Road, Bandra (W)                 | 400050  | safalashroff@lasikindia.in      | 4              |
|   | 22     | Lilavati Hospital                              | Bandra Reclamation                     | 400050  | info@lilavatihospital.com       | 4              |
| * | NULL   | NULL   | NULL                                   | NULL    | NULL                            | NULL           |