

## DDL Script

```
create schema covid_management;  
set search_path to covid_management;
```

```
CREATE TABLE user_details (  
  u_id INT PRIMARY KEY,  
  u_name VARCHAR(25) NOT NULL,  
  u_gender VARCHAR(5) NOT NULL,  
  u_age INT NOT NULL,  
  u_address_line VARCHAR(30) NOT NULL,  
  u_landmark VARCHAR(30),  
  u_city VARCHAR(30) NOT NULL,  
  u_state VARCHAR(30) NOT NULL,  
  u_pincode INT NOT NULL,  
  u_email VARCHAR(50)  
);
```

```
CREATE TABLE u_phone (  
  u_id INT,  
  phone_no BIGINT NOT NULL,  
  FOREIGN KEY (u_id) REFERENCES user_details(u_id)  
  ON DELETE CASCADE ON UPDATE CASCADE  
);
```

```
CREATE TABLE user_symptoms (  
  u_id INT ,  
  u_symptoms varchar(100),  
  u_history varchar(100),  
  u_allergy varchar(100),  
  Foreign key (u_id) references user_details(u_id) on delete cascade on update cascade
```

);

```
CREATE TABLE lab_info (  
  l_id INT PRIMARY KEY,  
  l_name VARCHAR(25) NOT NULL,  
  l_address_line VARCHAR(30) NOT NULL,  
  l_landmark VARCHAR(30),  
  l_city VARCHAR(30) NOT NULL,  
  l_state VARCHAR(30) NOT NULL,  
  l_pincode INT NOT NULL,  
  l_phone BIGINT NOT NULL,  
  l_time_from TIME,  
  l_time_to TIME,  
  l_email VARCHAR(50) NOT NULL,  
  l_cost DECIMAL(7,3) NOT NULL  
);
```

```
CREATE TABLE lab_details (  
  l_id INT,  
  l_technician varchar(50) Not null,  
  l_doctor varchar(50) not null,  
  l_receptionist varchar(50) not null,  
  Foreign key (l_id) references lab_info(l_id) on delete cascade on update cascade  
);
```

```
CREATE TABLE l_testing (  
  u_id INT,  
  l_id int,  
  l_report varchar(20) Not null,  
  s_time time not null,  
  s_date date not null,  
  pay_status varchar(20) not null,
```

Foreign key (l\_id) references lab\_info(l\_id) on delete cascade on update cascade,  
Foreign key (u\_id) references user\_details(u\_id) on delete cascade on update cascade  
);

```
CREATE TABLE hos_info (  
  h_id INT PRIMARY KEY,  
  h_name VARCHAR(25) NOT NULL,  
  h_address_line VARCHAR(30) NOT NULL,  
  h_landmark VARCHAR(30),  
  h_city VARCHAR(30) NOT NULL,  
  h_state VARCHAR(30) NOT NULL,  
  h_pincode INT NOT NULL,  
  h_phone BIGINT NOT NULL,  
  h_time_from TIME,  
  h_time_to TIME,  
  h_email VARCHAR(50) NOT NULL,  
  consulting_charge DECIMAL(7,3) NOT NULL,  
  h_type VARCHAR(15) NOT NULL  
);
```

```
CREATE TABLE patient_details (  
  u_id INT,  
  pt_status VARCHAR(30) NOT NULL,  
  pt_medication varchar(100) Not null,  
  pt_consult_date DATE not null,  
  pt_admit_date date,  
  pt_discharge_date DATE,  
  pt_lung_infec DECIMAL(4,2),  
  Foreign key (u_id) references user_details(u_id) on delete cascade on update cascade  
);
```

```
CREATE TABLE doctor_details (  
  u_id INT,
```

```
doc_id INT PRIMARY KEY,  
h_id int,  
doc_name varchar(25) Not null,  
doc_degree varchar(50) not null,  
doc_email varchar(50) not null,  
doc_phone BIGINT not null,  
doc_address_line varchar(30) not null,  
doc_landmark varchar(30),  
doc_city varchar(30) not null,  
doc_state varchar(30) not null,  
doc_duty_type varchar(20) not null,  
Foreign key (h_id) references hos_info(h_id) on delete cascade on update cascade  
);
```

```
CREATE TABLE bed_details (  
h_id int,  
gen_count int Not null,  
gen_cost decimal(7,3) not null,  
spec_count int not null,  
spec_cost decimal(7,3) not null,  
icu_count int Not null,  
icu_cost decimal(8,3) not null,  
vent_count int Not null,  
vent_cost decimal(8,3) not null,  
Foreign key (h_id) references hos_info(h_id) on delete cascade on update cascade  
);
```

```
CREATE TABLE imaging_center (  
h_id int,  
xray_avail BOOLEAN Not null,  
ctscan_avail BOOLEAN not null,  
xray_cost decimal(7,3) not null,
```

```
ctscan_cost decimal(7,3) not null,  
Foreign key (h_id) references hos_info(h_id) on delete cascade on update cascade  
);
```

```
CREATE TABLE staff_details (  
h_id int,  
n_name varchar(25) not null,  
med_off_name varchar(25) not null,  
Foreign key (h_id) references hos_info(h_id) on delete cascade on update cascade  
);
```

```
CREATE TABLE payment_details (  
u_id int,  
h_id int,  
total_cost Decimal(10, 3) not null,  
u_pay_status varchar(15) not null,  
trans_id BIGINT PRIMARY KEY,  
trans_date DATE not null,  
Foreign key (h_id) references hos_info(h_id) on delete cascade on update cascade,  
Foreign key (u_id) references user_details(u_id) on delete cascade on update cascade  
);
```