

# sub modules :-

## 1. User (patient) :-

- New user can sign up to make their account
- Existing user can login into their account.
- User can Update their details.
- User can view their past visit ,past check ups and various medical test yet to given
- User can pay their bills for the medical test they have undergone
- User can apply for medical test

### Database queries :-

- select user detail from the patient table where Patient\_id and password matches
- when a new patient visits and registers  
insert into patients value (.....)
- modify columns in patient table
- select those tests which were already performed
- Show those tests which are not yet performed
- patient wants to see his results  
select result from patient natural join result natural join test where patient id = ...
- patient can view their bill see the bill select \* from bill where patient id = ....

## 2. Doctor :-

- Existing doctor can login into their account and can update their details
- doctor can see the total number of patients and the tests pending under him
- enters results of test given by patients they have checked

### Database queries :-

- select Doctor detail from the Doctor table where Doctor\_id and password matches
- when the doctor enters the report the test insert into report value(....)

- select \* from doctor natural join patient natural join checks where doctor id = ..... and date = current date

### 3. System admin

- Admin can login using valid username and password
- Admin can add and delete patients and Doctors
- Admin can edit charges for various test
- Can add new medical test in the database
- Can generate bill for the patient

#### Database queries :-

- Can view the list of all patients whose dues are pending  
Show the list of all patients whose dues are pending (for more than one month or two)
- Show the list of those tests and doctors specified for those test whose reports are pending.
- Show the list of all Doctors who can do a particular test and present report on that test
- Show the list of Patients who got their reports and who didn't with their test and respective Doctors details
- Show those tests which are going to be performed today or tomorrow
- when the doctor leaves the hospital  
delete from doctor where id = .....
- when new doctor join the hospital  
insert into doctor value(...)
- when test is over and we need to present the bill  
insert into bill values(.....)
- see the details of the patient select \* from patient where id = .....
- can see list of doctors wants to see the total number of patients and the tests pending under him
- 

### 4. Bill payment :

- when the bill is paid we need to change the status of the bill  
update bill set status = .... where id = .....
- to view dues which are pending and which are paid