FUNCTIONAL REQUIREMENTS

1-REGISTER

3-SET AN APPOINTMENT

4-COLLECT DATA BY STAFF

5-UPLOAD REPORT

6-VEIW PRESCRIPTION

7-BILLING MODULE

PATIENT'S REGISTRATION

This Function can be used by Patient and the Nurse
1- The Patient have to register itself in hospital system form a web-based Software.
2- The patient can also ask nurse to register him/her.

The Patient can sign in into the system if the registration is done before If Patient is not registered already, he/she have to registered first.
Before login/registration patient can only have access to the schedule (Timing of the doctor's day).
After Registration Patient can access allowed features of the system.

Set an Appointment

This functionality can only be use by the nurse and patient.
1. The Patient have to enter the history of his/her disease and other information as per forms already present at the website. The patient has to enter the purpose of visiting hospital. then Patient is allowed to check the schedule of his/her
   . respective doctor and can set an appointment with a specific
   . doctor.
2. Nurse can also help patients to set a best slot for their appointment with the doctor.

If the selected slot is already taken, then the website suggests a near time slot to Patient.
If the doctor is not available at the day of appointment patient have to receive a notification as soon as possible. And Patient's appointment will compensate on the very next doctor's day.

COLLECTION/UPLOADING OF DATA BY STAFF

This function can only be used by Patient and the Nurse.
1- Nurse will take patient's id and will see whether the appointment is set for that day and also allow to check timing for appointment.
2- The Patient can upload new data by itself.
If patient have no appointment, then another day will be appointed to patient.
The Doctor's assistant will look onto the data and history of the patient.

UPLOAD AND VEIW THE REPORT

This operation will be available for the Patient, laboratory and the doctor.
1- The doctor first has to upload the check-up report and will assign a test for that patient.
2- Then laboratory after testing the patient will upload the report on time.
3- The doctor and the patient both can have a look on the patient's report.

The Patient don't have option to change or edit this report but can only view report. Laboratory will not be allowing to upload a test with permission or prescription of doctor.

VEIW AND EDIT PRECRIPTION

This option is available for Doctor, Patient and the chemist.
1- The Doctor will prescribe the medicine and other diet plane according to the report of laboratory.
2- The Patient will only be able to check what doctor have prescribed for him/her and can check out the suggested diet plane by doctor.
3- The chemist can only view the medicine and make them ready for patient.

The Patient can't edit, change any medicine by itself and chemist can't change medicine but can only view name and formula of the medicine.

BILLING MODULE

This system can only be used by the chemist and the patient.
    1- Chemist will calculate the price of the medicine
    2- The Patient will check the bill and can pay view online payment
 	
Patient is not bound to make the payment online but can make payment to chemist on receiving the medicine.

Iterative plane

Note for sir:

This is a try form my side. I have think of nothing but this is my idea if it is correct then let me know but if it is wrong then please give me some idea for this.

Thanks.

Getting up Requirements:

The Requirements are taken from the customer at first.

1st-Release

In first release of the it is target to release the registration functionalities.

Functional Requirements

These requirements will be driven from the user stories and these are

1- The Registration will ask user whether he/she have any pervious account. If user do have an account it will take user to the sign in/ login page.
2- At the login page user have to enter user's name and passcode after comparing this in the data base system will allow the user to enter further hospital pages. Or in case user name and passcode didn't match with the data base system it will simple reject the user and ask him/her to refill information carefully.
3- If the user doesn't have the account so system will take it to the registration page and allow user to fill conditions and information carefully after user done ask user if he/she willing to go then system will save data in data base and take user to the hospital page.

Architecture and Design

In Architecture and design stage team have to look into requirements not only functional but also the user and business requirement and have to build an architecture and design according to the requirement.

Development/coding stage:

The team of coders are ready to program the design and requirements.

Tester

This team will check out whether everything is right to the point but they have to make a special look on the design and coding according to the design.

2nd-Release

The first release will many question and may be new ideas towards the future stages. So if the requirements are given by the customer then project manager will have to look whether these are suitable for system then he/she will approve this.

The second release will contain the information entry functionalities.

Functional Requirements:

As this contain the information entry functions so it will have

Four different pages according to user profile.

1-Patient's Page

1- This will allow the user to enter the information (History of disease, Test report from other doctors, and the reason for the visit of hospital). This information will be save after user press the enter key.

2-Doctor's Page

Doctors page have the follow functionalities.

1- Doctor will have access to the Patient's medical history
2- Doctor can enter the medicine and can prescribe the test for patient that can be use by the laboratory.
3- Doctor can enter the diet for the Patient.

3-Chemist:

1- Chemist can only check the medicine of the patient and the fill bill price according to doctor's prescribed medicine.

4-Laboratory

1- The laboratory will upload the test report of patient.

Architecture and Design

In Architecture and design stage team have to look into requirements not only functional but also the user and business requirement and have to build an architecture and design according to the requirement.

Development/coding stage:

The team of coders are ready to program the design and requirements.

Tester

This team will check out whether everything is right to the point but they have to make a special look on the design and coding according to the design.

3rd-Release

The second release will many question and may be new ideas towards the future stages. So if the requirements are given by the customer then project manager will have to look whether these are suitable for system then he/she will approve this.

The third release will contain the Appointment functionalities.

Functional Requirements

This be use by the Patient, Doctor and the nurse.

A-Patient Page

1- The Patient will be allowing to check the schedule of the doctor and according to this patient will be able to select the timing for himself.

B-Nurse

1- The Nurse is allowing to check whether the Patient have appointment or not.
2- If Patient have no appointment, then nurse will be able to set time for that Patient.

C-Doctor

1- The Doctor will be able to cancel the appointments.
2- After cancelling appointments doctor will be allowing another day or time for patient.
3- The doctor can change its schedule.
4- Doctor can check number of appointment for the day.

Architecture and Design

In Architecture and design stage team have to look into requirements not only functional but also the user and business requirement and have to build an architecture and design according to the requirement.

Development/coding stage:

The team of coders are ready to program the design and requirements.

Tester

This team will check out whether everything is right to the point but they have to make a special look on the design and coding according to the design.

Final release

The final release will be the all the remaining component of the system. Like billing system and new features if any new demand from customer.

Functional Requirements

The billing can be used by the patient, hospital staff and chemist. This System will be linked with a bank.

A- Patient
1- The Patient can use this function for the only online payment. If Patient didn't want to pay online, he/she can simple skip this option.

B- Hospital staff
1- The hospital staff use this system for receiving the doctor's fee and other taxes.

C- Chemist
1- The chemist can use this to receiving money from Patients.

Test first development

1-REGISTER

    A- The registration can only be done by the patient.

    B- Patient have to fulfill the condition given on the website.

    C- Shortage of any information will not be accepted.

3-SET AN APPOINTMENT

    A- The Appointment can only be set on the free time

    B- Already allotted time will not be given to anyone

    C- Appointment can be made a week before not more than that.

4-COLLECT DATA BY STAFF

    A- The staff can only collect the necessary data like medical history and tests.

    B- Staff will not be allowed to look into the personal information of Patient given during registration time.

5-UPLOAD REPORT

    A- This functionality will be used by several but there will be limit

    B- Doctor can see a report of test

    C- Laboratory can upload the report. But can't suggest a test by their self.

    D- Patient can see report but can't make changes in it.

6-VEIW/EDIT PRESCRIPTION

    A- Doctor can add prescription

B- Patient can only see the prescription

C- Doctor can change this after some time

7-BILLING MODULE

A- Patient can only pay the medicine bill.

B- Chemist can upload bill of medicine.

C- Chemist can check daily and weekly accounts report.