# DOCTOR APPOINTMENT FIXING SYSTEM

**Description:**

The smart doctor appointment fixing system is designed to facilitate the time management of user and provides patients or any user an easy way of booking  a doctor appointment via online and to provide e-prescription.

This System will gather the common functionalists to be implemented for both patient and doctor.

The existing system does not include the concept of e-prescription and validity period for medicines. The proposed system has also included the optional benefit of using this system such as time management, appointment fixing in nearby location, etc.. For patients.

Planning to build the software using PHP.

**Technology details:**

Android Studio

**Screen details:**

Common screens like Login & Dashboard will be done as a general process.

1. Patient and Doctor Login Details
2. General Details
3. Doctor Availability Details
4. Appointment Fixing and Verification
5. Manual Visiting
6. E-Prescription Generation
7. Pharmacy
8. **Patient and Doctor Login Details**

Here we need to verify the patient/doctor profile (if they are already existing persons ) information as below.

Patient Name

**Controls for Individual Patient:**

Patient ID

Age

Gender

Address

Contact Number

Mail-id

**Controls for Individual Doctor:**

Doctor ID

Age

Gender

Department

Address

Contact Number

Mail-id

**Controls for Pharmacy:**

Pharmacy ID

Issuer

**Common controls**

Address

Mobile Number

Email

1. **General details**

* General details includes the patient age, address, contact number etc..
* Collection of general details is an mandatory process in each hospitals , where it includes all the information about the patient.
* Doctor’s detail is also necessary where based on that information patient can fix their appointment.
* After providing all the required general details, SUBMIT button is used to upload all the details to the database.

**Details**:

[For Patient]

Patient Name

Profile Id

DOB / AGE / Gender [to be Auto loaded]

Contact Number

[For Doctor]

Doctor Name

Reg No

Department

Contact Number

**3.Doctor Availability Details**

* Doctor availability details is to view the doctor profile with the required information to the patients
* The appointments are fixed based on the doctor’s availability. Because except general category every patient will search for specific doctor’s appointment who may be specialist.
* Based on the availability details patient can fix their appointment using QUICK BOOK button.

**4.Appointment Fixing and Verification**

* Appointment is fixed by the patient after viewing the listed category information.
* And the verification process should be done in order to identify the fraudster users because some users may do some fake appointments.
* So to avoid that verification process is done using an API

**5.Manual Visit**

* Each patient should consult doctor manually during their appointment time which they have fixed.

**6.E-prescription Generation**

* After consulting to doctor e-prescription will be generated by the doctor which will be send to the patients and pharmacy, who are using this application.

**DETAILS INCLUDE:**

* + Medicine details
  + Validity date
  + Validity period

1. **Pharmacy**

* Pharmacy is also an important module in this application from where the patients can buy medicines according to the generated prescription by the doctor.
* The previous medical details will be also stored at the database of the user.

**DATABASE DESIGN**

**PK –** Primary Key**; FK –** Foreign Key

**MASTER TABLES:**

1. **Login table**

User Id VARCHAR2(25) [PK]

Password VARCHAR2(20)

1. **Registration table**

Patient Name VARCHAR2(25) [PK]

Age Number

Gender Female/Male

Phone Number Number

Mail-id VARCHAR2 (25) [PK]

1. **Appointment confirmation For Doctor**

Patient name VARCHAR2(25) [PK]

Patient Id VARCHAR2(25) [PK]

Token Number VARCHAR2(25) [PK]

Appointment Timing

Phone Number Number

1. **Appointment confirmation For Patient**

Doctor Name VARCHAR2(25)

Department VARCHAR2(25)

Token Number VARCHAR2 (25) [PK]

Phone Number Number

1. **Appointment confirmation For Patient**

Pharmacy id VARCHAR2 (25) [PK]

Patient Id VARCHAR2 (25) [PK]

Prescription Details VARCHAR2(25)

**UNIT TEST CASES:**

Explain the unit test cases to be applied for each screen & also the validations for each control. Provide the end result details for the system. For Example:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case Id** | **Scenario** | **Steps** | **Test Data** | **Expected Results** | **Actual Results** | **Pass / Fail** |
| 1 | Login with valid Data | 1. Goto application Login screen 2. Enter Username & password 3. Click Signup | Username: DAF21  Password: test@123 | Dashboard page to be displayed on successful login | As expected | Pass |
| 2 | Login with valid Data | 1. Goto Portal Login screen 2. Enter Username & password 3. Click Signup | Username: Admin  Password: dfgdgfdsf | Dashboard page to be displayed on successful login | Error shown as ‘Wrong Username / Password’ | Fail |