

Record Management for Health Care

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Abstract - Stereotyping the relationship between doctors and patient we understand the management of patients records, appointments are done in a very old way. As a result, we face problems of appointments with the doctor, prescription getting lost/damaged, not keeping proper track of timings of appointments. This becomes a disadvantage as it causes inconvenience for the patient during his/her time of treatment. So, with the help of our app 'Smart Health' the relationship between doctor and patient will be online. The process of diagnoses between doctor and patient will be face to face and but the processes such as records management of past medication, past diseases, an online prescription, appointments which will be online.

Key Words: Android, PHP, Record management, Doctor, Patient.

1. INTRODUCTION

Stereotyping the relationship between doctors and patient we understand the management of patients records, appointments are done in a very old way. As a result, we face problems of appointments with the doctor, prescription getting lost/damaged, not keeping proper track of timings of appointments. This becomes a disadvantage as it causes inconvenience for the patient during his/her time of treatment. So, with the help of our app 'Smart Health' the relationship between doctor and patient will be online. The process of diagnoses between doctor and patient will be face to face and but the processes such as records management of past medication, past diseases, an online prescription, appointments which will be online.

2. CONCEPT

Our project is divided into two segments:

1. Website for Doctor:

- We developed an admin panel for the doctor
- This login screen will redirect to a page which contains patient details, date/time slot and view appointment

Patient details will show contents such as:

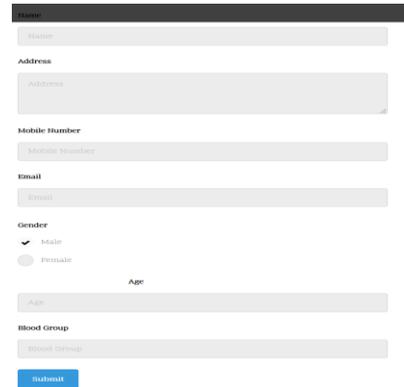


Fig.1: Patient details

- The patient details contains the general details of the patient such as Name, address, mobile number, email, blood group and gender.
- This has to be done only once by the doctor
- As the doctor enters these general details a table will appear

ID	Name	Address	Age	Gender	Mobile	Email	Blood Group	Edit	Delete	New Visit	View History
1	pranil	mumbai	22	Female	9876543210	pranil@gmail.com	B+	Edit	Delete	Add Details	View
2	saad	mumbai	20	Male	7666677777	saad@gmail.com	B+	Edit	Delete	Add Details	View
3	vaibhav singh	sdhaskdhsdhsdhsdhsd	22	Male	23456789	vaibhavkumar@satelinkarfi.com	O+	Edit	Delete	Add Details	View

Table 1: Patient Details

Date/time slot:



Figure 2: Date/time slot

- In this feature the doctor can check his/her appointments according to the date or time
- A list will appear in a tabular format as the patents books an appointment through the android application

ID	Date	Start Time	End Time	Remove
1	2018-01-14	12:00	12:30	Remove
2	2018-01-14	12:30	13:00	Remove
3	2018-01-14	13:00	13:30	Remove
4	2018-01-14	13:30	14:00	Remove

Figure 3: Table created as appointment is booked

2. Android application for patients:

- In our application will also have a login screen:
- After login , the app will redirect to the next screen
- The app will have three tabs which are :
 1. Appointment Booking
 2. Appointment reminder
 3. Appointment details

❖ Appointment booking:

- The patient will book an appointment through the app
- According to the visiting hours set by the doctor(set as default) the patient will book an appointment
- As the appointment is book the page will be redirected to 'Appointment reminder'.

❖ Appointment reminder:

- As the booking is conformed the application will navigate to Google calender



Fig 4: Google calender

- The Google calender will set the appointment on the patients phone

❖ Appointment details:

Visit 1

Symptom
cold,fever

My Understanding
viral

Rx Clinic
abc

Rx Outside
xyz

Date
2018-01-30

Figure 5: Previous visit details

- In this tab the patient can view his/her previous visit details set by the doctor such as symptoms, his understanding, medicines from the doctors clinic or the medicines recommended to buy from outside.
- If the doctor recommends the patient to another doctor , the doctor can easily view the patient medical history.

3. CONCLSIONS

- Managing health care records is vital whether resources are adequate or scarce.
- We face many challenges, but we have a duty of care to our patients and a legal responsibility.
- In recent times, the medical sector has found itself in the midst of what could be described as a storm of Data Protection breaches.
- We cannot ignore things and hope the storm passes.

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