

Implementation of Doctor's Appointment Application for Life Care Hospital(Sion)

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Abstract:- In previous years internet has been used for many benefits of society . This article is about using the android application & web for betterment of patient. The main purpose is to provide patient a hassle free environment and comfort for the patient while visiting the doctor . As the Patient have to wait for a long time for appointments ,even if they get the appointment, sometimes the doctor does not visit the hospital and the patient leaves without visiting and the appointment gets canceled. By using technologies like android & web based application the issue will resolve and the patients get timely updated. Patients can book appointment from anywhere anytime and it will save patients precious time.

Keywords:- Hospital, patient , appointment.

I. INTRODUCTION

There is need for improvement in the interaction system between the doctor and the patient. Patient appointment scheduling system is very critical in hospitals to ensure efficient and effective service delivery in the health sector in Life Care Hospital (Sion). Whereas in some hospital the patient has personally or person with the patient has to go to the registration desk ask for the appointment to get registered. Whole system is pen paper based. This type of appointment scheduling system has a range of constraints, such as patients being required to fill in appointment forms upon arrival at the hospitalor clinic, and there is no possibility to register while anywhere anytime therefore, patients spend a lot of time waiting in queues. Vast increase in technology to develop a appointment system for patients to book appointment for a doctor By using appointment scheduling application they can book the appointment from home or anywhere before going to hospital. In order to meet the target of effectively facilitate delivery of health services, this proposed mobile application for the patient appointment would help in delivery the better health services In Life Care Hospital. The patient also waits in a queue while getting appointment .If the doctor cancels the appointment for some emergency reasons then the patient is not able to know about

the cancellation of the appointment unless or until he or she visits the hospital.

II. LITERATURE REVIEW

Paper Title	Publication	Review
Application of Intelligent Agents in Hospital Appointment Scheduling System.	International Journal of Computer Theory and Engineering (IJCTE) Vol.4 August 2012	In this paper we came to know about patients can only take appointment within 24hrs. Senior citizen is given preference to book the appointment within 2-4 hrs. FCFS pattern will be applied.
Android Application for Doctor's Appointment.	International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCCE) Vol. 2 January 2014	In this paper we came to know about that patients can interact doctor virtually. And resolve queries with consulting online.
Enhancing Patient Appointments Scheduling that Uses Mobile Technology	International Journal of computer Science and Info Security(IJCSIS) Vol.13 Nov 2015	In this paper we came to know about priority is given to patients with emergency. Patients receive alert for appointment.

III. OBJECTIVES

- Establishment of a paperless environment.
- Enhance the appointment scheduling system via a mobile application.
- The appointment can be booked only for a particular time slot on specific date.
- New patients can fill up an online registration form giving all the details of their illness.

➤ *Need & Importance*

- Taking of an appointment becomes easy.
- Manually taking of an appointment is time consuming, Patient can save time by using android build app.
- Due to App, a lot of activities is avoided that takes place in current situation.

IV. SYSTEM REQUIREMENTS

- *Software*
 - MySQL
 - Android studio
 - Java
 - XML
- *Hardware*
 - MySQL Server
 - 8 GB RAM
 - i3 intel Processor
 - 16 GB Memory

V. SYSTEM ARCHITECTURE

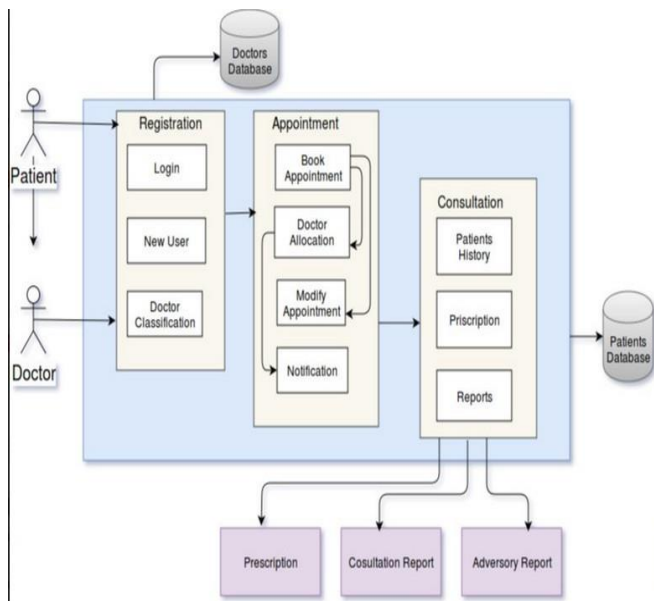
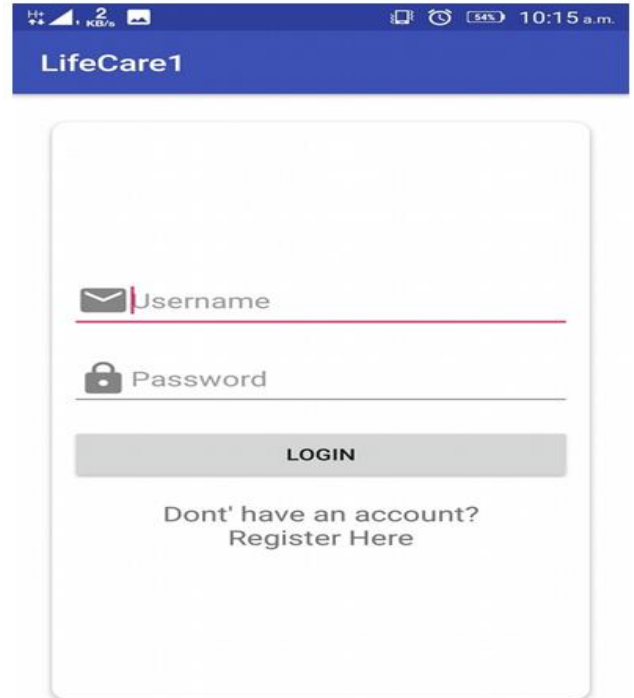


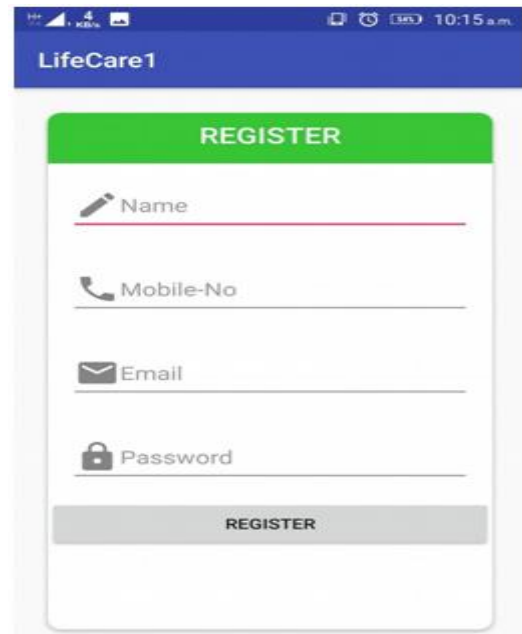
Fig 1:- System Architecture

A. MySQL LOGIN



Here is this module of php MySQL login we have used MySQL as a database. The particular account of respective users are stored in database and are dynamically used for login into the app. Registered user can login anytime into the app from anywhere and we ensure that our app provide best security service for authentication.

B. User Registration



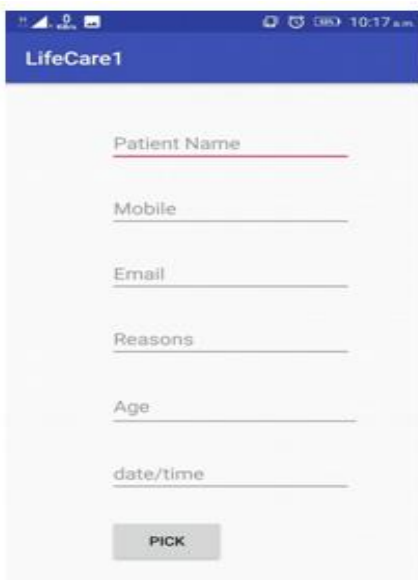
If the user wants to take an appointment and wants to consult with the doctor they need to first registered into the app. Registered can take an appointment and can proceed further, This app does'nt give access to any user who entered in our build app. The above screenshot gives a good idea how our registration GUI is look like.

C. Home Page



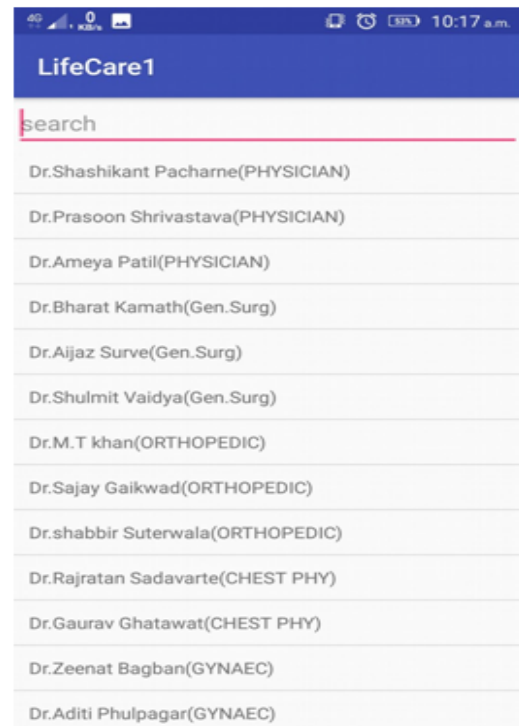
This is the GUI of Home screen which shows the menu. App menu's contains booking appointment, search doctor, display appointment etc.

D. Booking Appointment



Patients can book an appointment from this UI screen, by providing the details about patient name, their Email-ID and phone no., reasons and can pick up their desired doctor.

E. Search Doctor



This GUI screen provides the available doctors and users can search their desired doctor by using keyword in the search bar and can consult it.

VI. CONCLUSION

This system aims to simplify the task of the patient . It will make patients more relaxed as they do not have to stand in a long queue. Online appointment system gives better advantage in terms of time saving, normally to take appointment from anywhere anytime. Can be done by not going to hospital and can select doctors according to its need.

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