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 cancelled. 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 [4]Life Care Hospital (Sion).

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 cancelation of the appointment unless or until he or she visits the hospital [1]. There is much more work related to this app.

In app of Mr.Doc there is an alram ringing system so that they can stay fit and healthy. Searching doctors and hospitals along with navigation details are also available in the app so they can get proper treatment on time. appointment management system which uses application programming interfaces (APIs) proposed in this app [6].

Android is a mobile operating system (OS) developed by Google and more than 2.8 million apps available for download in google play store.

The advantages of mobile web can be made full use of to make up the time and distance gap between doctors and patients and to provide fast and adequate medical services [1] .The appointment record for the patients can be saved in the database using the google calendar. Users get a alert or reminder before the his/her appointment date and time [6].

II. OVERVIEW OF THE SYSTEM

Appointment scheduling via paper-based system requires patients to be at the hospital, fill in registration form and return to the receptionist, and then appointment of patients is conform or not .Sometimes patients place hospital identification cards or appointment cards to the receptionist and , then wait in the queue to be called by the nurse. Cards are placed in the order of first come, first serve (FCFS)[4].

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. If any correction has to be made in pen- paper based system the registration desk staff has to face problem.

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 hospital or clinic, and there is no possibility to register while anywhere anytime therefore, patients spend a lot of time waiting in queues, are required to follow dates of appointment assigned by the receptionist , and there is no alert for patients notification when appointments are postponed or cancel[4].Vast increase in technology to develop a appointment system for patients to book appointment for a doctor which w By using appointment scheduling application they can book the appointment from home or anywhere before going to hospital. Patients can set reminder for their booked appointment for the desired doctor. An hospital can also monitor after the patient health on provided treatment. Patients can book a appointment for the desired doctor on their wished date [4].
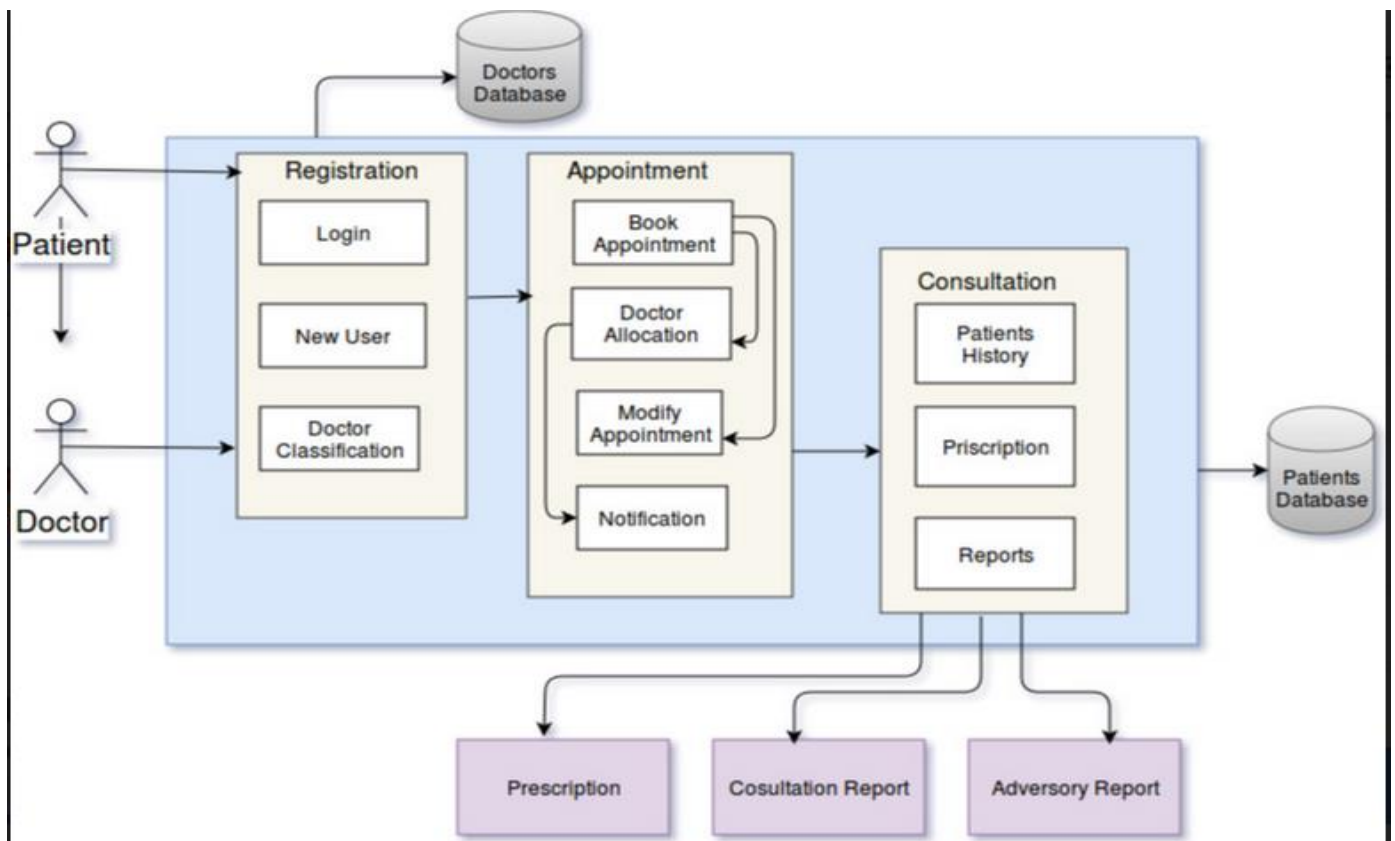
III.   SYSTEM ARCHITECTURE

Fig 1: System Architecture

In this system, patient haas to register itself and then he/she can select doctor according to its requirement. System architecture contains following module.

SR NO.	PAPER	CONTENT
1.	Application of Intelligent Agents in Hospital Appointment Scheduling System	1.Register patient can only take appointment within 24hr only. 2.Unregister patient can fix appointment within 48-24 hrs. 3.Senior Citizen is given preference to book the appointment within 2-4hrs. 4.If two patient times is colliding then the first come first pattern will be applied.
2.	Android Application for Doctor's Appointment	1.Patient can interact with doctor virtually. 2. Patient can resolve there queries with consulting online.
3.	Patient Appointment System.	1.Patients can interact with doctor to discuss their query and suggest another doctor if necessary.
4.	Enhancing Patient Appointments Scheduling that Uses Mobile Technology	1.Priority in appointment for patient with emergency. 2.Patients who forget their appointments can receive a reminder alert for upcoming appointment.
5.	Apollo hospital(website)	1.Booking for health check

A.   Login.
B.   Appointment.
C.   Database.

A.   Login

login.patient can login and take the appointment. First if the patient is new he/she has to register if he has register then he/she can sign in. After signin he/she can check the availability of doctor.if doctor is available then appointment can be confirmed. If doctor is not available the appointment can decline. Patient can also communicate virtually to the doctor.patient can check the data itself. Doctor can login and check all the appointments and consult with patients.doctor can checks all the data of patients.

B.   Appointments

Appointment can be book from anywhere anytime from any smartphone with the application.Patients does not need to visit hospital for appointment and can its time. 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. If any correction has to be made in pen- paper based system the registration desk staff has to face problem.

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 hospital. Which might consume a lot of time of patient?

C.   Hospital Database

In hospital database have all the data of doctors and patientdoctors and admin have authority to check the data.In hospital database have all data of doctors patient can search for doctor and display all the list of doctors then patient can select the particular doctor.

IV.   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.

V.   ACKNOWLEDGEMENT

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