

# Medical History Management

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## *Abstract*

*This application can be used to store our past medical records so that we can use it in future. In this application we can save our past health problems, which medication we used, which treatment we got, who treated us, cost, bills, scans, statements that both patients and doctors were given for our disease etc. So that we won't be able to forget anything in future. Now a days doctors are asking their patients that he had any medical History in the past so that they can continue their treatment at present based on their past medical records. Life has become too hard in order to get appointment in case of any medical issue or normal routine checkup. the main aim of this site is to make easy and comfortable for the patient who are taking appointment of a doctor in nearby location and to resolve various problem that a patient had to face while taking an appointment. The website act as a database containing doctor details, patients detail, and appointment details are maintained by server and this website also has future of finding doctor near you using GPS and location sensing. In this paper we will discuss a video appointment solution using web technologies. The solution proposed is taking advantage of the web technologies to handle the doctor appointment. If the doctor and patient decides, they can have a video consult instead of a normal visit at the physician office. The appointments are made based on on time slots interval available in a day. These time slots are defined by the physician or by a delegated person. Video appointments are made inside a web browser; no additional software is required. Direct shifts of a new start-up need an android application or web application to overcome their connectivity issues among their customers. This start-up faces difficulties in connecting the patients, doctors, and hospitals. To overcome this problem this start-up requests a project which connects patients, doctors, and hospitals. So to fix their connectivity issues this research work presents a mobile application.*

**Keywords**— Doctor Appointment, Health, Video Appointment, patients.

## **I. INTRODUCTION**

Medical History Management is an androidbased project. Today you can easily connect with anything through internet services. So online platform is the best choice for our project. If

anybody is ill and wants to visit a doctor for checkup, he or she needs to visit the hospital and waits until the doctor is available. 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. As the mobile communication technology is developing rapidly, therefore, one can use the mobile's applications to overcome such problems and inconvenience for the patients [1]. Doctors who are willing for online appointments can register in Online Doctor Appointment by giving necessary details like Specialization, Experience, Timings, OP fee etc., After registering into this app he/she can directly login into the application and he can view his/her details. If Doctor want to do any modification like Experience, OP fee, Timings etc., he can edit his details by clicking edit menu. Doctor can also see the appointed list of patients and they details [2]. Patients also register and directly login into the Online Doctor Appointment. Patient can search the doctor's by selecting doctor specialization and from which district they belongs too. Then the application gives the list of doctor's who belongs to the search. Then the patient can select the doctor by clicking on doctor image. By result the application can give brief details of the selected doctor like timings, experience, location, OP Fee ,Hospital name and contact numbers. If patient satisfied by the given details then he can click on the Apply For OP button. By -clicking on that button he enters into the OP Appointment page. In that page he gives his details like patient name, contact number, email etc., and also select the date of appointment. By clicking on Conform OP button he got the message like "Your OP is Conformed". And the doctor also got the message like "New OP is Available". If patient wants to cancel appointment then again he goes to the selected doctor OP Appointment page and select the view OP history menu then he enters into the OP cancelation page, there he can search his appointment among the list of appointments by giving patient name and date of appointment then he find his OP. By conforming his op details, he can cancel OP by clicking Cancel Appointment button by giving patient email and date of appointment.

## II. RELATEDWORKS

Scholars have conducted numerous studies exploring doctor's reputation, patient's behavior, and trust formed between doctors and patients in different Online Health Communities. Two different main opinions are observed. The first type of opinion created within previous research is that a doctor's reputation (mainly performed by evaluation) significantly reflects the quality of a doctor's service. Additionally, it has a positive effect on improving the patient's trust, and the patient's behavior positively affects doctor's reputation. Some studies found that doctor's reputation disseminated via word of mouth has a positive impact on the amount of appointment, in which service prices have a mediating effect. By contrast, disease types have a moderating effect. Moreover, the personal characteristics of the service subject, environmental background, and other subject behaviors can also affect the user's intent in availing various health information service. Apart from traditional factors, such as doctor's title and hospital grade, network

information can also support patient decision making [3-6]. The service quality of numerous doctors positively affects their patients' satisfaction, trust, loyalty, as well as the doctors' reputation perceived by the patient [7, 8]. The doctor's reputation has a positive impact on the amount of patient's treatment experience sharing, whereas the colleague's reputation has a negative moderating effect on the relationship between focal doctor's reputation and patient's experience sharing [9, 10]. The type, characteristics, and number of reviews have significant effect on the review rating as well as on the patient's future appointments [11]. Most of the previous studies are rooted from the perspective of patients' evaluation of their doctor, whereas some studies have focused on the active behavior of different doctors. For example, doctor's online contribution behaviors, including online response or published article, affect the patient's number of appointment. Different incentive aspects, such as economic returns, reputation returns, or offline identities, have different effects on doctor's contribution behavior [12, 13]. The second opinion involved in the previous studies is that doctor's reputation can only partially reflect the quality of doctor's service, and the patient's behavior is only partially affected by doctor's reputation. For example, online rating is positively related with the quality of doctors' services, but the doctors with higher perceived quality have an exaggerated effect on online ratings [14]. Another study showed that surgeons with four stars and above have higher survival rates in treating patient than those with lower number of stars. However, surgeons without stars perform better than those under four stars [15].

### III. PROPOSED SYSTEM ARCHITECTURE

In the user can open by entering User name and password .this will be stored in database. Doctor need to be registered by giving the necessary details like experience, timing, fees etc. After registering he need to log in and in the home screen he can view the basic functionalities. He can view the patient request and he can accept and he can also view the feedback given by patients. The patient needs to be registered and log in after logging on he can search for the doctor by giving the reason or problem. Basing on the doctor availability the doctor will confirm the booking request and doctor and patient get message that the booking is confirmed and the patient can also give feedback basing the performance of the doctor. In menu only three items .that are useful to share this app and feedback of the application and logout of the application. Doctor can change his details like experience, OP fee, user name, password .etc. In this menu doctor can view the OP list of applied patient list. Patient can view his OP and if he want to cancel OP then he cancel OP. All the data, information and text documents will be maintained in this module .this module will also execute search results of the user requests for some kind of problems.

### IV. RESULTS AND DISCUSSION

The results obtained after executing the implementation code is shown from Fig.1 to Fig.12.

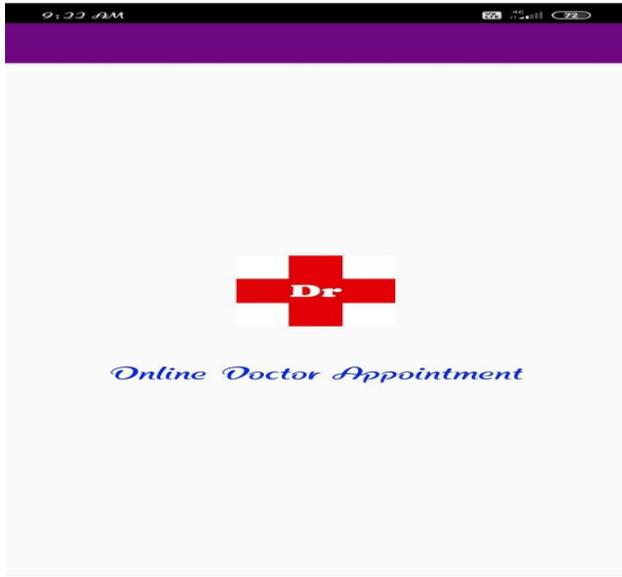


Fig.1 Launcher Screen

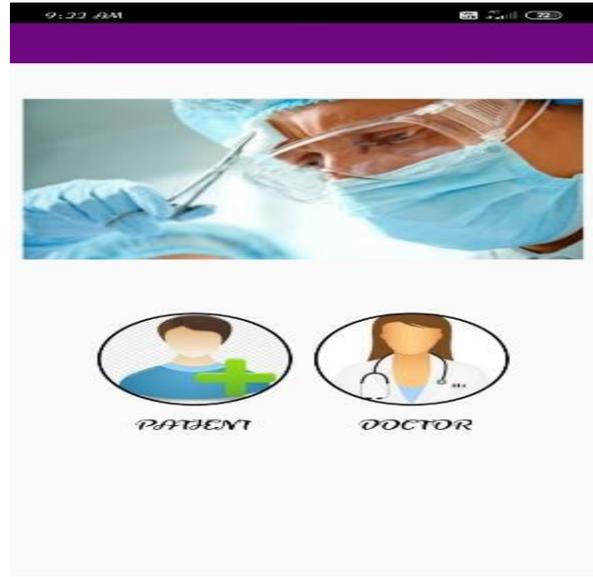


Fig.2 Modules Screen

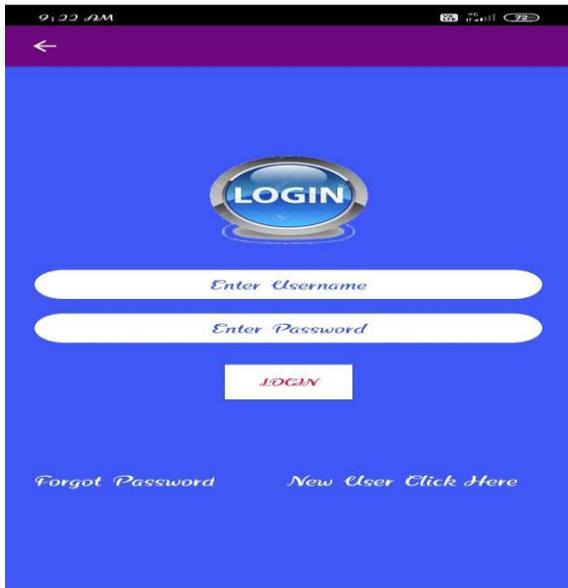


Fig.3 Login Form of Patient

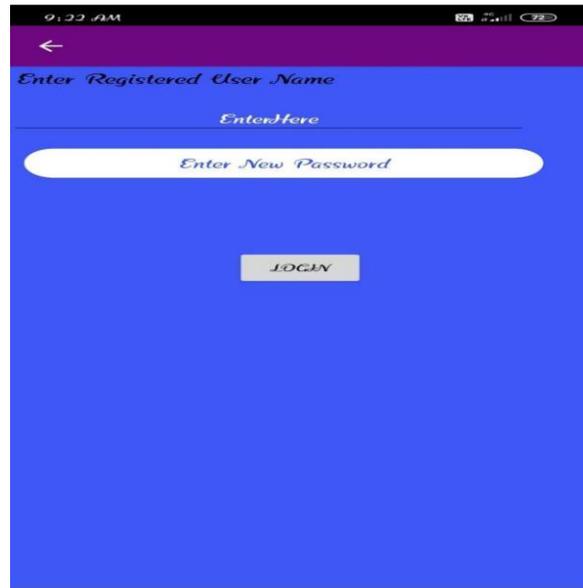


Fig.4 Password Reset Page



Fig.5 Patient Registration

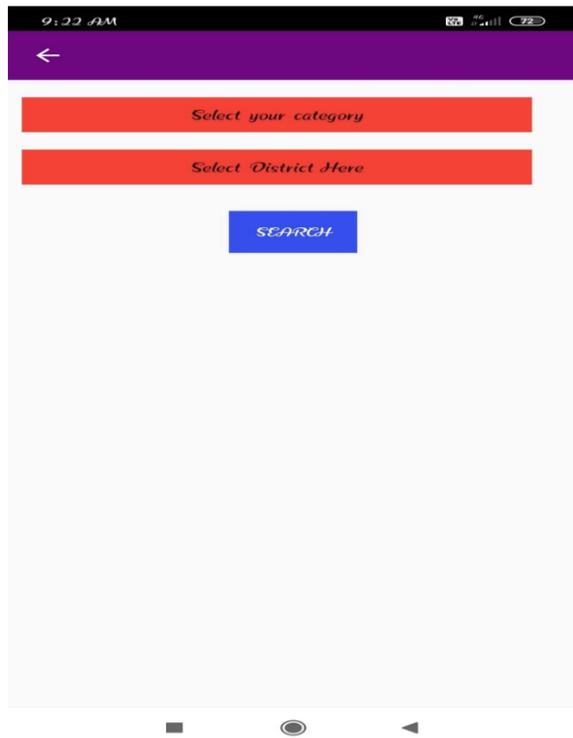


Fig.6 Home Screen

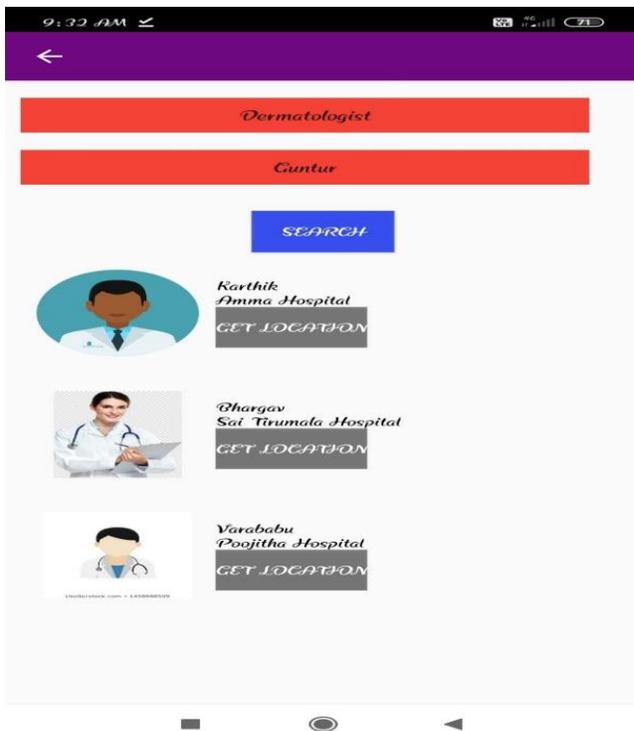


Fig.7 Home Screen Result



Fig.8 Selected Doctor Details

9:32 AM

Patient Name  
Enter Here

Mobile Number  
Enter Here

SELECT DATE

Select Gender  
 Female  Male

Patient Age  
Enter Here

Email Id  
Enter Here

Town/Village  
Enter Here

CONFIRM  
OP

Fig.9 OP Application Form

9:32 AM

Patient Name  
Priya

SELECT DATE OF APPOINTMENT 2020/3/12

SEARCH

Patient Name Is Priya  
Date Of Appointment 2020:3:12  
Town/Village Namanst  
Patient Gender Female  
Patient Age 21  
Patient Email priya@gmail.com  
Patient Number 9494297419

Enter Patient Email To Cancel OP  
Enter Here

SELECT DATE OF APPOINTMENT

CANCEL APPOINTMENT

Fig.10 OP Cancellation Form

9:34 AM

LOGIN

Select your category

Select District Here

Enter Username

Enter Password

LOGIN

[Forgot Password](#) [New User Click Here](#)

Fig. 11 Doctor Login Form

9:34 AM

Select your category

Select District Here

Enter Registered User Name

Enter Username

Enter New Password

LOGIN

Fig. 12 Forgot Password Form

## V. FUTURE SCOPE AND CONCLUSION

Online Doctor Appointment app is developed for an android phone where one can easily access it through their mobile phone. This app is more useful to the Patients. People who are interested can use to this application. Here we will provide all the information of the Doctor and Hospital such as Booking Appointments, contacting to doctor. Here doctor and patient both can easily communicate with each other and both are at same platform. We will provide all the needed information which is needed to the patient like experience, opp and timings. This project entitled "Online Doctor Appointment" consists of HOME PAGE have been developed in such a manner, which helps for future development. The requirements of the Doctor may change in the future. So the system is developed to enhance the change. Therefore these are opportunities and scope for future enhancement and upgrading are possible in this project. The project is flexible to adapt the changes efficiently without affecting the present system. Our approach require users to configure their own set of policies. The difficulty of setting up these configurations require the same expertise needs to inspect application permission listed at installation time. However we plan to extend our approach by Providing online payment for the patients ,so they can easily pay OP fee through online.

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