

ALEB

An Information Source

Dax M. Patel¹, Prof. Ajaykumar T. Shah²

¹Dept of Computer Engineering

²HOD, Dept of Computer Engineering

^{1,2} Alpha Collage of Engineering and Technology

Abstract- Today people are having a busy life, due to this sometimes they are unaware of their nearby area. Thus, it's quite difficult to find a skilled doctor and to maintain different medical reports. Therefore, there is a need for an application that will resolve this problem. ALEB comes with the solution. Team aim is to provide a skilled doctor to its every user. With the help of Health care, it will contain the past report of the patient this will make easy for doctor to diagnose one disease and for patient maintaining their medical history. ALEB is connected to the nearby medical store too. This will make one get prescribed medicine easily. Other than Doctor and Patient, there are two modules of the application which are Pharmacist and Surveyor. Surveyor makes sure that every area has a doctor and if any area does not any medical store then he/she submit a report to the ALEB.

Keywords- Doctor, Health care, Patient, Pharmacist, Surveyor, Medical report, Laboratory, SQL Server, Web Service, Android

I. INTRODUCTION

To begin with, People face a problem in finding a skilled doctor in their nearby area. Nowadays people are having a hectic life, due to this sometimes they are unaware of their nearby area. Thus, it's quite difficult to find a skilled doctor and to maintain different medical reports. Therefore, there is a need for an application that will resolve this problem.

Our project is based on an online server-based application that provides several types of features, for instance, Book appointment, find nearby hospital, view report, book lab appointment. Each and every feature has its own role. Users can book lab appointments and communicate with doctors as well as they can also find nearby hospitals through the map API.

Apart from that our application provides a view of reports and doctor and patient both can see the report and its history, as a consequence, a doctor can write a prescription and send to the patient directly.

II. LITERATURE REVIEW

- A. The Java Plug-in software is a component of the Java Runtime Environment (JRE). The JRE allows applets written in the Java programming language to run inside various browsers. The Java Plug-in software is not a standalone program and cannot be installed separately.
- B. SQL Server is a relational database management system (RDBMS) developed and marketed by Microsoft. As a database server, the primary function of the SQL Server is to store and retrieve data used by other applications.
- C. Android is a mobile operating system developed by Google, based on a modified version of the Linux kernel and other open source software and designed primarily for touch screen mobile devices such as smartphones and tablets. In addition, Google has further developed Android TV for televisions, Android Auto for cars, and Wear OS for wrist watches, each with a specialized user interface. Variants of Android are also used on game consoles, digital cameras, PCs and other electronics.
- D. A Web service is software which can connect any device that is active in the internet to another and establish communication between them. It uses HTTP as common communication protocol. Web service is required to establish communication between Android device and Shop's database to exchange information.

III. STUDIES AND FINDINGS

- A. In the current system, the patient is standing in the queue in the hospital and that the current system is a waste of time for the patient. In the emergency, the patient not get treatment at that time. And the patient goes to the lab and gives the blood and takes the report and submitted it to the doctor that is also a waste of time and waste of paper. The patient does not find the proper medical store in the city.
- B. When user is at an unknown place and some medical emergency happens so he/she could not find a good doctor easily. Some physically challenged and aged people are not able to go to the medical center. At some time, medical student does not get actual and updated

medicinal information and cannot search medicine by their ingredients.

- C. Currently, doctors prescribe patients on paper which is not eco-friendly, users can also lose some of them which can create a problem.
- D. ALEBALEB type application can solve lots of problem and save the time of doctors and patients. Furthermore, the lab assistant can do their job very easily and paperless.

IV. FUTURE AND ENHANCEMENT

The patients who can't travel to the doctor can directly consult with them through online doctor consultation feature provided in our application. Patients can check the ratings of doctors and select the best doctor for themselves.

V. CONCLUSION

ALEB aims to provide a skilled doctor to its every user. With the help of Health care, it will contain the past report of the patient this will make easy for doctor to diagnose one disease and for patient maintaining their medical history. ALEB is connected to the nearby medical store too. This will make one get prescribed medicine easily. Other than Doctor and Patient, there are two modules of the application which are Pharmacist and Surveyor.

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REFERENCES

- [1] JAVA crash course
- [2] Create a web API with Django Frame work and libraries:
<https://www.tutorialspoint.com>
- [3] For java Programming:
www.geeksforgeeks.com
- [4] For Designing With php Others:
<https://www.w3schools.com/>
- [5] Programming and MySQL: www.mysql.com