

Survey Paper on Advancement in Medical Science by Computing Technology

Madhuri Khandelwal¹ Prof. Ravi Verma²

¹Student ²Coordinator

^{1,2}Department of MCA

^{1,2}Mahakal Institute of Technology and Science Ujjain India

Abstract— Existing system is not fully compatible with people and Health business. Either existing systems focus on Doctors, or on peoples. But not a single portal available which fully focus on both. System must be like doctors get details of those patients who search for requirement and patients can get doctors as per the specialization, nearby area and everything what they are looking for. Medi Helper, an online app for those users who generally face issues regarding finding doctors, clinics, and hospitals as per their requirement when they need. The portal helps people to find doctors clinic and hospitals in their nearby area, in their budget amount, and in between their time availability. It happens many times specially with those people who are not localities and when face any health related issues; they search for doctors, hospitals and clinics. Generally people look for a doctor as per their requirement in their nearby area, in between their time and in a minimum consulting fee. With this portal people can search all doctors, clinics and hospitals as per their requirement in their area and city and specialization.

Key words: finding doctor, budget amount, and minimum fee

I. INTRODUCTION

MediHelper, an online app for those users who generally face issues regarding finding doctors, clinics, and hospitals as per their requirement when they need. The portal helps people to find doctors clinic and hospitals in their nearby area, in their budget amount, and in between their time availability. It happens many times specially with those people who are not localities and when face any health related issues; they search for doctors, hospitals and clinics. Generally people look for a doctor as per their requirement in their nearby area, in between their time and in a minimum consulting fee. With this portal people can search all doctors, clinics and hospitals as per their requirement in their area and city and specialization. As per the definition of advance health care system on digital network, user requirement are fast and effective medical operation to be fulfilled regularly as it is the basic requirement of system as defined in [1] so that it will be good achievement of all around the world.

The portal having many advantages as compared to existing system. In this portal, there are 2 modules, for doctors and for patients. They have their own personal home page. Benefit is for both Doctor as well as patients. In order to introduce new thing the major factor will be financial features of new technology therefore in [2]. One observe that such thing is not good for poor countries to invest huge amount. When patients search for doctors and clinics, they search by select city, disease which they are looking for and time availability. And they got list of doctors as they search. At the same time, doctor gets the list of candidates who

search for them. The proposed web portal is very beneficial specially for patients who at their crucial time, need doctors and get on a single click.

II. SIMILAR METHODOLOGY

A. My SQL(Database Management System)

MySQL is a database management system. MySQL is a database management system. a database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MySQL Server. Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications.

B. Java Virtual Machine

Java is a simple and yet powerful object oriented programming language and it is in many respects similar to C+ Java originated at Sun Microsystems, Inc. in 1991. It was conceived by James Gosling, and Mike Sheridan at Sun Microsystems, Inc. It was developed to provide +.a platform-independent programming language.

Java is platform independent language unlike many other programming languages including C and C++ when Java is compiled; it is not compiled into platform specific machine, rather into platform independent byte code. This byte code is distributed over the web and interpreted by virtual Machine (JVM) on whichever platform it is being run.

Java was designed with a concept of 'write once and run everywhere'. Java Virtual Machine plays the central role in this concept. The JVM is the environment in which Java programs execute. It is a software that is implemented on top of real hardware and operating system. When the source code (.java files) is compiled, it is translated into byte codes and then placed into (.class) files. The JVM executes these byte codes. So Java byte codes can be thought of as the machine language of the JVM. A JVM can either interpret the byte code one instruction at a time or the byte code can be compiled further for the real microprocessor using what is called a just-in-time compiler.

C. Benefits

- Doctors get info about all patients
- User friendly Interface on both sides.
- Patients search doctor's city, area and disease wise.
- Registered patients get medicine discounts.
- Appointment can be taken online with doctors on single click.

III. BACKGROUND THEORY

The veracity and secrecy of medical information which is transacted over the Internet is vulnerable to attack. But the transaction of such details is mandatory in order to avail the luxury of medical services anywhere, anytime. Especially in a web service enabled system for hospital management, it becomes necessary to address these security issues.

As in [4] so many health oriented projects are going on. Telemedicine are now more demanding just because of the advance computing tools and techniques as in [5] one describes the working of each new mechanism. Robotics also get introduced in [6] where now are days serious surgery has been operated by robot machine with complexity. In the fast growing computing environment one need more reliable and secure way of using telesurgery tools. We know that very well technology is increasing day to day but still it's compulsory to present some one physically there that guide machine to do the correct thing. In [3] another thing is tele radiology also helps in healthcare system in various hospitals In normal terms one can define the advancement of health caring system can be achieved by mobile application computing, X-Ray computing and robotics will be the new discovery in this area[8,9].

This model presents the procedure and technical options to have a secure communication over Internet with web services. Based on the model, the Medi - Helper is developed to use the technologies of WS-Security and WS-Policy, WSRN in order to create encrypted messages so that the Patient's medical records are not tampered with when relayed over Internet, and are sent in a reliable manner. In addition to authentication, integrity, confidentiality, as proposed in this paper security framework for healthcare based web services is equipped with non repudiation which is not inclusive in many existing frameworks.

IV. CONCLUSION AND FUTURE SCOPE

Medi helper is an app its offer high quality medical care to patient. The portal helps people to find doctors clinic and hospitals in their nearby area, in their budget amount, and in between their time availability. It happens many times specially with those people who are not localities and when face any health related issues; they search for doctors, hospitals and clinics. This allow user to registered and book appointment also view the details of doctor related to Hospital/clinic. User choose suitable timing slot as per the need and book the appointment.

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