

**An Enhanced Medical M-Commerce And Customer Care Solution Using
Android Application**Deepali Awasekar¹, Sonali Sulgadale², Reshma Waghmare³, Prajakta Thobade⁴^{1,2,3,4}Department Of Information Technology, Walchand Institute of Technology, Solapur

Abstract — Android is the popular platform for mobile application in the world. With the exponential growth in android based technology and with increased demands of users, there is vast scope of development. A whole lot of people use Android and, time after time, we find people struggling to improve it. It's not that Android is so difficult to use, in fact, it's very easy, but previous versions are often slow and clunky while latest ones have a lot of features. On this android bases e-medicine application allows users to order medicine in a particular medicine shop. Using this system shopper can deliver the medicine which was ordered by customers. This will not only help the customers to check the availability of users but also save time of users. This system not only to deliver and order medicine, it also calculate bill of customers. A notification through this system will ensure the customer that their medicine will be finish soon and order next month's medicine list.

Keywords-remote consultation, E-Consultation, Video Consultation, OMC, MESH

I. INTRODUCTION

The Online Medicine purchase application is an online e-commerce application. It is a virtual showcase for different types of medicine and medical products. Main aim of this project is to develop 24/7 medical service for users via online application. This project provides various types of medicine to purchase.

A medicine delivery system is rear, because of inconsistent flow of customers. To make medicine delivery, one has to call the shopper and order medicine. This system has traditionally used similar techniques for processing customer requests. Orders are created by calling the shopper and speaking to order. If a customer can't arrive at the medical to purchase regular medicine list then those customers can't purchase those medicines. Thus, there is a need for improved techniques for processing medicine orders and delivering it. Such problem can be solved by android based application. With this medicine application you can create ordered list of medicines and let shopper to deliver medicine, notifications and others. E-Medicine delivery is a better idea with respect to following perspectives: hours of operation, consistency, cost, customer convenience. E-medicine list is able to take a large number of order lists at the same time, which is especially helpful at busy times.

Mobile technology provides ways to help with these challenges. Android is the most popular mobile operating system in the world. With the exponential growth in android based technology and with increased demands of users, there is vast scope of development. A whole lot of people use Android and, time after time, we see people struggling to master it. It's not that Android is difficult to use, in fact, it's very easy, but earlier versions are often slow and clunky while newer ones have a lot of features. On this android bases e-medicine application allows users to order medicine in a particular medicine shop. Using this system shopper can deliver the medicine which was ordered by customers. This will not only help the customers to check the availability of users but also save time of users. This system not only to deliver and order medicine, it also calculate bill of customers. A notification through this system will ensure the customer that their medicine will be finish soon and order next month's medicine list. . E-Medicine delivery is a better idea with respect to following perspectives: hours of operation, consistency, cost, customer convenience. E-medicine list is able to take a large number of order lists at the same time, which is especially helpful at busy times.

II. LITERATURE REVIEW

Literature review Databases including MEDLINE and Inspect were searched for relevant publications mainly within the past five years. Multiple search terms were used, combining "online consultation" with "medical", using the MESH (Medical Subject headings) term "remotely consultation", or using "e-visit", "E-consultation", and "video consultation"[1].

The review of web sites a convenience sample of current OMC web site is derived from sites that appeared among Google's first hundred results when searching for "medical consultation". These sites were examined against our OMC definition to eliminate web sites that do not match with the inclusion criteria such as health information sites, health advertising, generic well being advice, automated symptom checkers, telephone-only consultations, or sites that have no

private channel for communicating information. This left 28 web sites which were examined more closely to determine the modality of the consultation, the intentional purpose of the consultation, the cost, the medical specialty, the geographical coverage, web site organization date and the geographic location of the service provider. Data were sourced directly from the web sites, petition from the providers by email or found in public media reports [2].

Findings from literature review system did not find any published research that evaluated multiple OMC sites. The majority of papers provided an evaluation of remote conference use for a particular medical practice but not for a large group [3].

III. SURVEY OF PROPOSED SYSTEM

This page of the Online Medicine purchase application will be the first page to be displayed, when a person visits the Online Medicine purchase application. This page will display a welcome message to facilitate navigation through the application. The user home page is displayed to a user, when the user logs on to the Online Medicine purchase application. Only registered user can view this home page. If non-registered user try to login then the application shows the error message, and it has to provide a facility to register to the system. This page has to display the welcome message to the user and in addition it displays various menus to facilitate navigation through the application. The administrator home page is displayed to administrator that logs on to the Online Medicine purchase application. Application has to automatically identify the administrator or user and also show the administrator related functionalities. Unauthorized users cannot login to the system, they have to register first.

IV. SYSTEM ARCHITECTURE

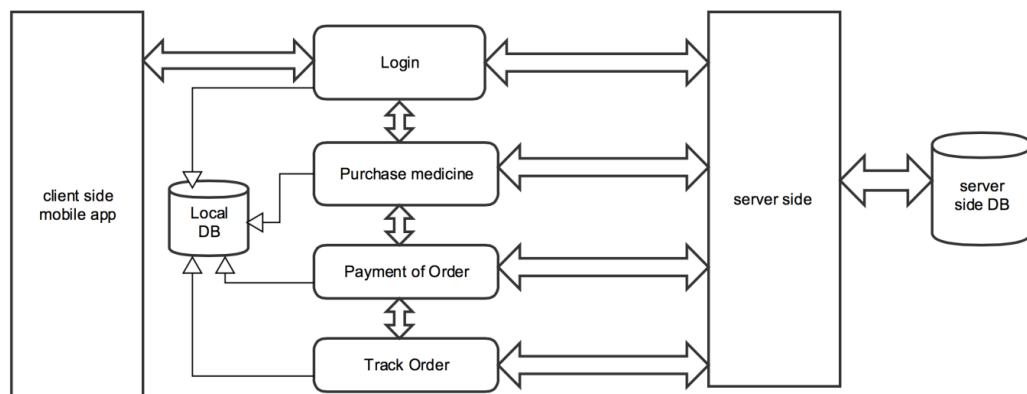


Fig1. System architecture

System architecture shows the flow of system.

Client installs the eMedicine App and registers himself/herself to our system. Then the client could perform the tasks such as search medicines, calculate bill and place the order. Each task of user is associated with server.

A. Local DB

Local DB contains the local data which are required for customer to process the system. It contains data of login, purchase medicine, payment of order and track order.

B. Login

Login module is used to login for customers those who are already registered into the system. Login field contain username and password. New customers can register themselves to the system and then login to order medicines. The user has to login only once for one mobile.

C. Purchase Medicine

Using these feature customers can purchase medicines online. Purchase medicine take input from user as medicine name, type, quantity and price. According to input it processes the data and passes to server DB and payment order.

D. Payment of Order

Payment order takes input from purchase medicine and generate bill. It stores the generated bill at local and server DB.

E. Track Order

Track order takes input from payment order and generate order history list. It saves these data at local and server DB. Medicines ordered previously are recorded or stored and order history is generated.

F. Server side DB

Server DB contains all processed data and it is also used to process other feature. It contains the profile of user and the medicines bill and history of user's previous orders.

V. FUTURE WORK

Now a days there is a big demand of different types of software, which is because IT has become the main part of our New World. There is a big need of different software. People want software for every specific task to make that work easier. We have developed the software "E-MEDICINE" which works easy on Internet. This project is made due to the demand for medical consults. We can add chat engine in near future so that doctors or other professionals can chat or discuss on diagnosis related topics. The database can be modified at any time when the requirements to be changed. The controls used in the Front End can be modified and the new pages can be modified and implemented whenever required. This system electrically matches according to the portfolio and description and shows the related information on the system. Software scope describes the data and control to be processed, function performance, constraints, interfaces and reliability. Function are evaluated and in some case refined to provide more detail prior to the beginning of the estimation. Because both cost and schedule estimates are functionally oriented, some degree of decomposition is often useful. The future enhancement of this system can include the analysis of profit and medicines purchased by the shop or system. The analysis includes the pie chart which shows the percentage of profit earned by the system, and notification to the users or customers about medicines availability. We can implement easily this application. Reusability is possible as and when required in the application. We can update it in its next version. We can add new features as and when required. There is flexibility in all the modules.

VI. CONCLUSION

Nowadays each and every person use android mobile phone .but which type version or apps use in android phone that is very important. Nowadays if we are using these apps it is required very less time as well as easy handle that also used in future. We approached the problem of electronic medical records and patient appointments in developing countries the use of mobile based software system that uses an open source electronic medical record system. In general, the proposed system should allow patients to easily order medicines and actively be in contact with medical practitioners. It improves the work productivity and efficiency while reducing cost and waiting times for patients. Proper research and planning is required to identify barriers and to come with strategies for faster adoption of electronic medical record systems. However, success of such system implementation will also depend on the support of the medical practitioners as well as the government policies and external funding for developing countries.

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