One Touch Clinic Application using Android Studio

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ABSTRACT: Smartphone applications are specified software application which are meant to perform tasks on the smartphone platform, in this era of rapid technological advancements, smartphone applications have become an important daily driver in the professional lives of people as well as their daily live. From managing their grocery list to planning their schedule. Software application now has a vital role in the daily lives of the human society such as communication, entertainment, education, medical, travel, social transportation, business and utilities

KEYWORDS: Android, Application, Software, Technology, Medical, Professional

I. INTRODUCTION

One Touch Clinic is an online platform for booking appointments with Doctors and for services as available. The suggested system aims at providing the health-related services at finger tips by allowing the users to book an appointment with the best Doctors and services around them. This concept can make a big difference in the lives of people by enabling them to know the health care around them in essence problems related to health can be solved in an a few clicks and swipes. It allows the users of the portals to select the best hospitals and select services as they required near them. Many features in the suggested system are very much unique and are user friendly.

The Application helps in centralizing and monitoring the fleet data using the Integrated Development Environment (android studio) and Google Firebase as Database

II. PROBLEM DEFINITION

The main reason behind the development of mobile app is the ability to offer real-time information of hospitals, services, status and more. As rise of digital age not everyone has time to stand in line or to call and wait for the hospitals to pick the call and just to be heard “today all appointment is booked”.

In today's day to day life some are using registers to keep and track their record. Very much human input is required to keep the records in the register.

III. METHODOLOGY

The suggested framework is an online application which brings together all of the fundamental facts and details for the user to access the data more easily. The framework permits to track with all data through all around characterized interfaces, require less manpower and less time for maintaining the records of the hospitals. In our proposed system everything is digitalized and as everything is automated in this system now user need minimal clerical work involved to manage work.

One Touch Clinic Application using android studio “have following features:

1. Shows hospitals/clinics in your area
2. Shows all your appointments including upcoming
3. Shows list of services offered by hospitals including their prices  
4. Real-time tracking of services  
5. In-Application payment options  
6. User-friendly interface

IV. SYSTEM ARCHITECTURE AND FUNCTIONING

The developed application is capable of running on minimum API 19 level that is it will support 97.3% android devices. Application consists of mainly two functional modules. Modules in the suggested application are defined as user module and admin module. User module will be handled by the supervisors to fill the data as asked and submit the data. Then the Submitted data is collected on Servers and stored in database. Admin module will be handled by hospitals to monitor the appointments.

Google firebase is used for the storage of data, once the data gets stored in Google firebase it generates an encrypted and unique key in which the initial letter is referred to the month of submission. Daily data analysis is also provided for the saved data which can be retrieved later.

Application collects the information. The user/admin fill the data as required such as username and password. After details are completed filling the appointment selection is defined based on search and result according to the area. Each appointment status is shown on user as well as on admin console.
VI. RESULT
VII. CONCLUSIONS

Using mobile application as a means of service management, hospitals/users can sophisticate their processes around much ease and convenience. This web-based appointment system could significantly increase patient's satisfaction with registration and reduce total waiting time effectively, Compared to the usual queuing method. For applying this application for a broad usage some improvements are required.

REFERENCES

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