

MEDBOOK APP

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Abstract - Medbook App is a medical healthcare social media application. It provides a new platform for medical professionals as well as common peoples to interact with each other. This Application aims to provide a review of current status of Healthcare system. We discuss the specific domains in which the impacts of healthcare system examined. Using this app people who needs blood, oxygen cylinder, medicines and many medical advices from the concerned people on a single platform and can solve their problem without roaming around. It is the journey that takes users to new destinations every day with endless possibilities of life on the back of happiness, energy, and hope. Medbook wants to make this journey easy for every Indian and help them live healthier and longer lives

Key Words: app, platform, medical, online

1. INTRODUCTION

Medbook is a medical healthcare social media app. It is the journey that takes users to new destinations every day with endless possibilities of life on the back of happiness, energy, and hope. Medbook wants to make this journey easy for every Indian and help them live healthier and longer lives. It provides a new platform for medical professionals as well as common peoples to interact with each other. This Application aims to provide a review of current status of Healthcare system. We discuss the specific domains in which the impacts of healthcare system examined. Using this app people who needs blood, oxygen cylinder, medicines and many medical advices from the concerned people on a single platform and can solve their problem without roaming around. This is an era of online medical consultation, booking appointments for patients in one go. But our app will bring common people and medical related profession on a single platform. A person who needs blood is not going to search it on a blood bank instead he will post a story related his blood requirements and the other users who are watching his story can contact him via chats. In simple language we have tried to put social media and medical app together.

2 . Body of Paper

Medbook App is a react native based android app. This app . It also helps the medical professionals to interact quickly and help each others. The App generally provide a platform for seeking any medical related help.

After comparing different types of models we have selected the best suited model as the spiral model for this project as our requirements are superior and it is a long developing project.

Spiral Model

Phases of Spiral Model :

1. **Objectives determination:** Requirements are gathered from the customers and the objectives are identified.
2. **Identify and resolve Risks:** During the second quadrant, all the possible solutions are evaluated to select the best possible solution.
3. **Development and validation:** During the third quadrant, the identified features are developed and verified through testing
4. **Review and plan for the next Phase:** In the fourth quadrant, the Customers evaluate the so far developed version of the software.

Advantage Of Spiral Model

We are using this Model for the following advantages:

- High amount of risk analysis hence, avoidance of Risk is enhanced.
- Good for large and mission-critical projects.
- Strong approval and documentation control.
- Additional Functionality can be added at a later date.
- Software is produced early in the software life cycle

Requirement Analysis

Requirement Analysis, also known as Requirement Engineering, is the process of defining user expectations for a new software being built. We analyze, refine, and scrutinize the gathered requirements to make consistent and unambiguous requirements. This activity reviews all requirements and may provide a graphical view of the entire system. After the completion of the analysis, it is expected that the understandability of the project may improve significantly.

Developer Requirement

Following configurations are required for development:

Hardware Requirements

- 4GB RAM
- 1 CPU Core
- x86 64-bit CPU (Intel / AMD architecture)

Software Requirements

- Frontend: React Native
- Backend: Python Flask
- Database: MongoDB

- Android or iOS for Testing

User Requirements

- RAM: 2GB
- Processor: Dual Core or Snapdragon
- At least 100Mb Free Disk Space

3. CONCLUSIONS

The project entitled "Medbook Application" is completed successfully. This project has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of Medbook App was to utilize the advantages provided by technology and develop a application that can bring changes in medical healthcare by performing different tasks which are necessary to common people so that they can get aware with current health issues worldwide and interact with medical professionals such as doctors, pharmacists, medical students etc.

Result of Medbook Application can be concluded into several points. With Medbook Application, users get a smooth experience

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