



Doctor Mobo: Personal Doctor on Hand

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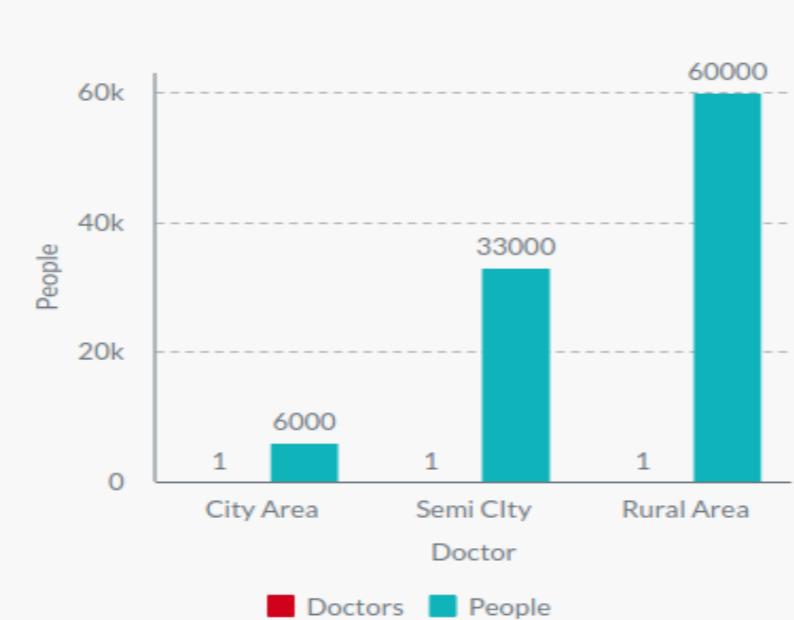
Summary

"Doctor Mobo" is a mobile-based android application where the users can get health-related information, activities like medicine reminders, search the nearby hospitals, first aid knowledge, and information about the different diseases. Users can schedule the time and interval to take medicine so that they do not have to check the time for medicine intake continually. The application also provides the necessary disease treatment information. First-aid tips are also crucial features of the application because in today's era, everyone uses smartphones as a fundamental need and might encounter situations where they need first aid knowledge. The people can get all kinds of first aid tips just in a click. The application focuses on the public with the motive of personal doctor at hand.

Introduction

Being healthy is one of the crucial mottoes of human beings in today's era. Now we already started to encounter a situation where people do not have to visit the hospital for a regular checkup to get information about health diseases and much other health-related information. Every activity is now digitized. People can monitor their health status, knowledge about medicine, disease information, analyze the recovery status through a single mobile application. Smart mobile phones and tablets are slowly but steadily changing the way we look after our health and for fitness too.

This type of application creates a direct impact on developing countries like Nepal. In the context of Nepal, there is about one doctor per 6000 people. Additionally, most of these doctors are concentrated mainly in the urban areas leaving rural communities much worse off – perhaps as few as only one doctor per 60,000 people (10 times more than urban areas). So to address this problem of the doctor-patient ratio, the following health application plays a significant role in getting a quality of care without visiting hospitals or clinics.

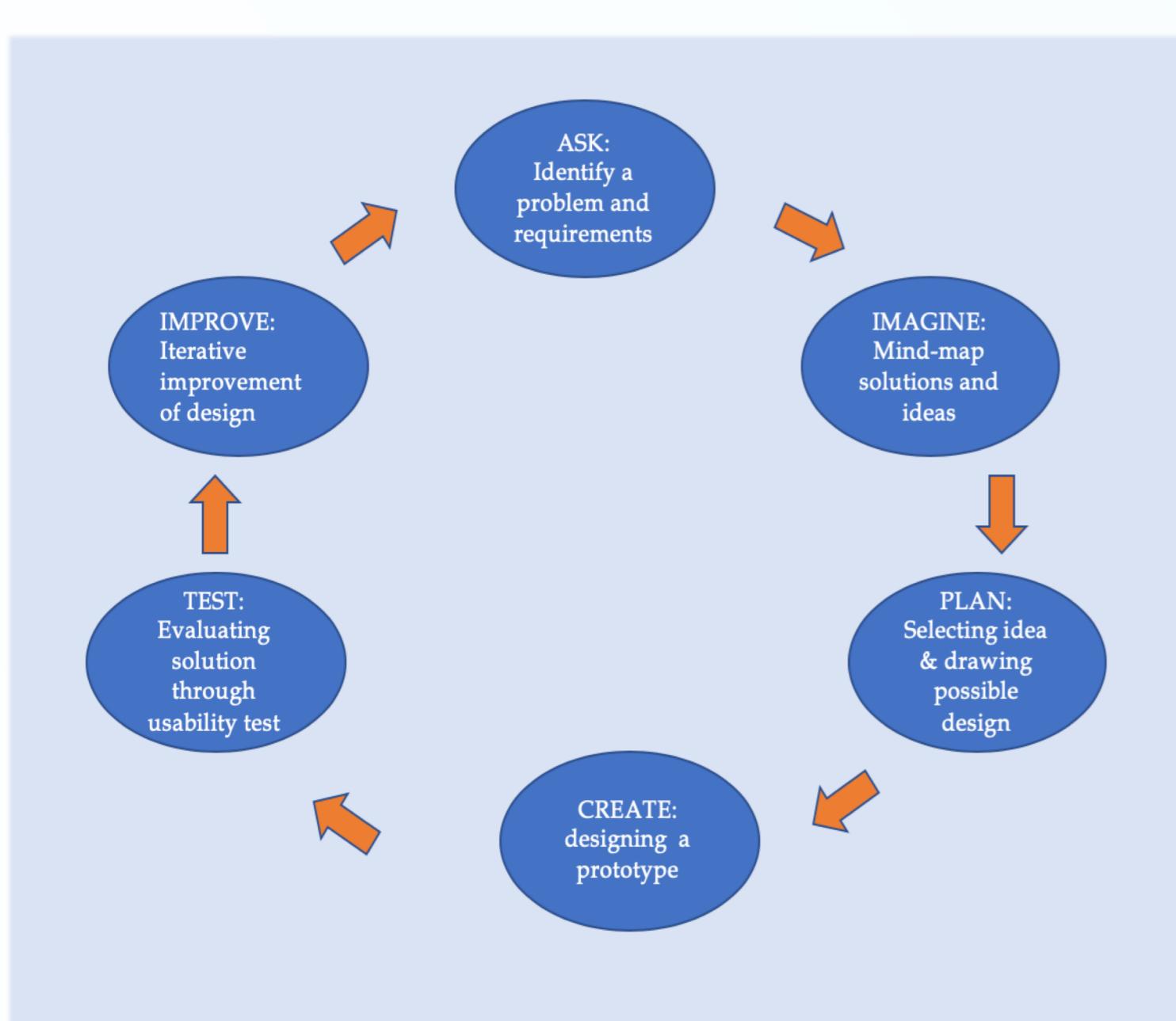


Source: www.niroginepal.com

Objectives

- To provide the needed health-related information in a single platform.
- To avoid confusion that google searches may lead to many search results on diseases.
- To help people to be proactively conscious regarding health issues.

Methodology



The project followed the engineering design process as a basis for the development of the clickable prototype and mobile App.

App Development:

- Developed using Android Studio, Google's official app development platform.
- Core application was developed using java.

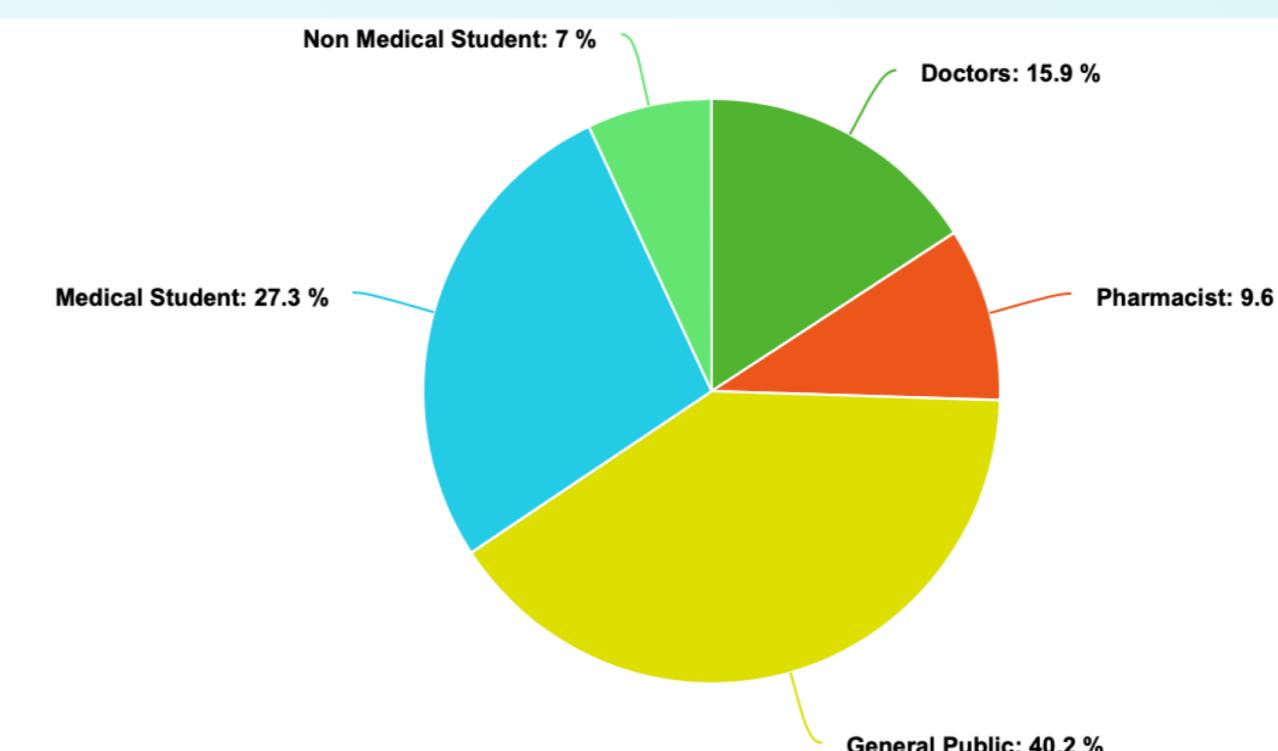
Testing:

- Used guerrilla usability testing (Think Aloud) as it serves as a window on the soul.
- Used heuristic evaluation.

Principal Supervisor

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Population size of study:



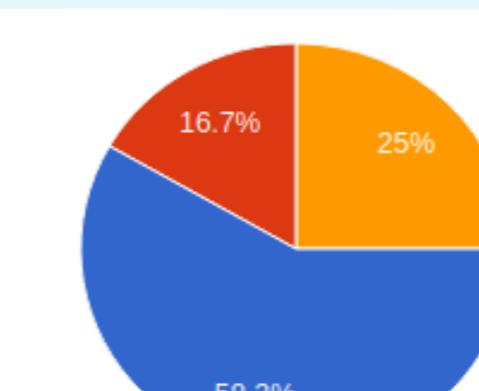
The app was tested with the shown population.

Results



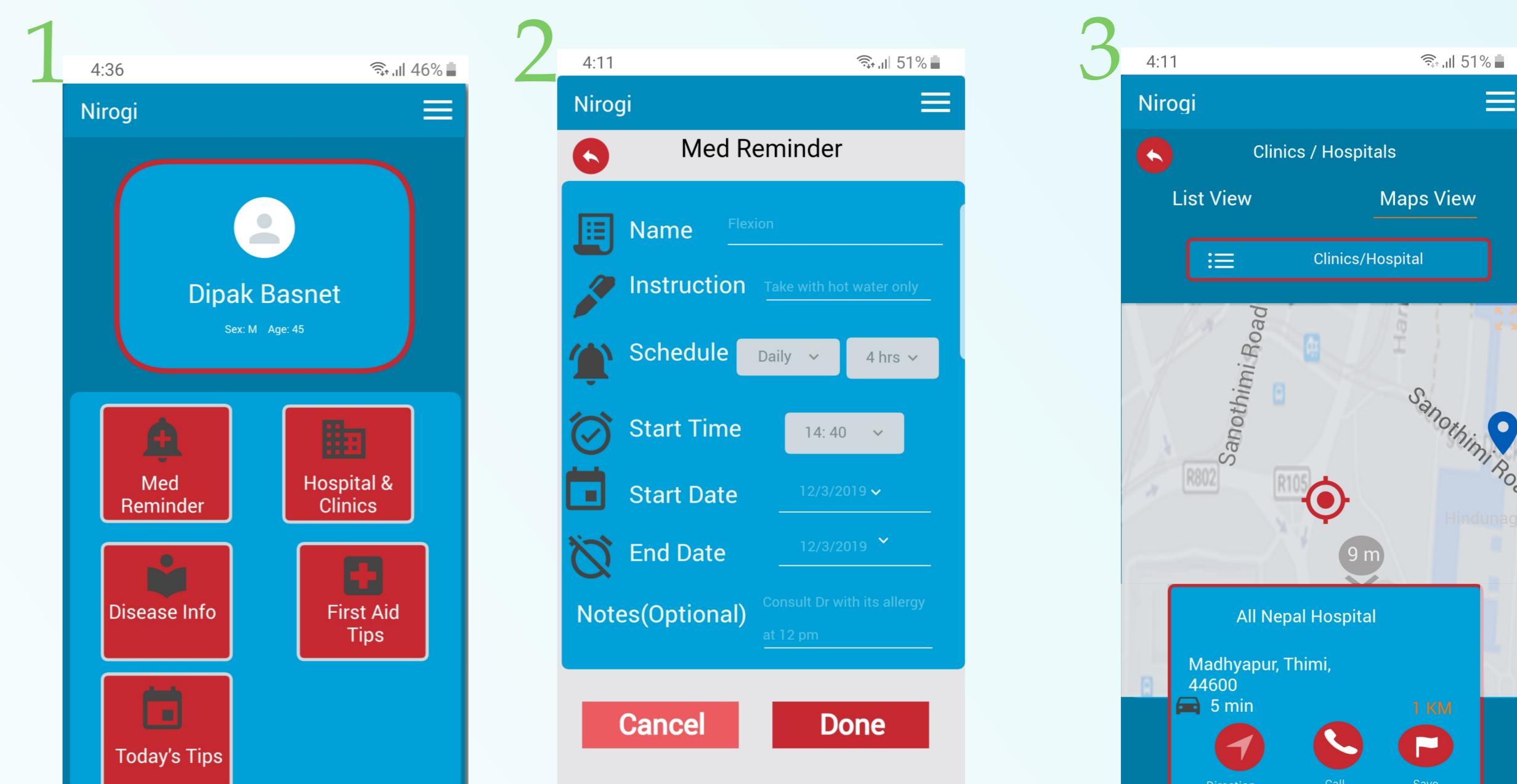
Bar diagram showing overall satisfaction level of the user in the app.

Pie chart validating the need for the app in daily life.



Features Available:

- Notifications as a reminder for medicine intake time.
- Symptoms, prevention methods, and medication information as per diseases are present.
- The location-based suggestion of nearby clinics/hospitals are available.
- General health tips are available.



- The app allows user to add medicine reminder, view hospital/clinics.
- Helps to set reminders for taking medicine on time.
- Suggest nearest location-based hospital/clinic in list view or maps view.
- Develop emergency response capacity by providing first aid knowledge.
- Provide disease info, causes and treatments detail.

Conclusion

The project developed an app which allows user to add medicine intake reminders, get info about diseases, view nearby hospital/clinic and get immediate first aid info from a single platform in a click. The app has been tested with the people from the medical and non-medical field and has proved that the general public can rely on this app for minor health inquiries and can apply first aid until professional's help arrives. All of these contribute to positive health outcomes in the lives of people.

Team Members

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