

LIFE APP

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Abstract: - Many people are losing their lives due to lack of treatments doctors may not be available all the time. The doctor may not be aware of the patient's condition, so that they may not be available to attend emergencies. The patient's condition is examined before reaching the hospital i.e., checking B.P, body temperature, pulse etc... If the patient's condition is critical then the patient's condition is intimated to the hospital reception and makes the particular doctor available. By using the GPS the location and time by which the patient reaches hospital's will be updated to the hospitals reception. As soon as the patient's condition is intimated to hospital reception the return notification will be provided by the doctor to the people in the ambulance about the first aid to be given. Effective and immediate treatment can be provided. Prior knowledge about the patient's condition is informed to the doctor. The GPS helps the doctor to be available by letting them know the location and time taken by the patient to reach the hospital.

Keywords: GPS, Mobile App. Android, Doctors.

1. Introduction

The main aim of the project is to develop an life application which will provide the immediate and effective treatment for the people who are in need. This application acts as an interface between the patient and the doctor and helps the patient to save his/her life. The Life App is an mobile application which is developed in android .It can be accessed only when the patient gets into the ambulance. Many people are losing their lives due to the lack of time which involves the arrival of the patients to the hospitals and availability of the hospitals which are nearby.

Purpose

The purpose of this document is to provide the immediate and effective treatment to the patients.

Product Scope

Life app is increasingly used as a source as a search engine for the information of hospitals which are nearby. Being the mobile application it is available

to everyone. It helps us to find the availability of doctors in the hospitals. It also helps us to obtain basic health tips by accessing the application.

Document Conventions

The document covers the conventions as described by IEEE SRS template. The template standards are published in "IEEE Standards Collection," and can be downloaded from

http://www.csc.villanova.edu/~tway/courses/csc4181/srs_template-1.doc.

2. Methods

Product Perspective

With the increase in the accidents day by day in the city and the lack of availability of the doctors people are losing their lives. By understanding the problem we have developed an application which helps he people to save their life by providing immediate and effective treatment. Providing the reliable information about the hospitals. It is a MOBILE APPLICATION which will be accessed only when the patient is in the ambulance.

Product Functionality:

The proposed solution will be able to help the people to save their life for the students to save their time by using this application. These challenges and their respective scope are outlined below

- Provide an information about hospitals
- Nurse and Reception interaction
- Basic health tips
- Generating Feedbacks based on the treatment.

Users and Characteristics:

The proposed solution is intended to be used primarily by the Life app team. The solution shall also work as useful application for the patients and the nurse who are in need of credible information of nearby hospitals.

Design and Implementation Constraints:

Efficient Admin: As Life App is a mobile based application the data should be maintained correctly by the admin.

Processing power: Proposed solution requires sufficient enough processing power for huge data collection (hospitals).

Compatibility: Proposed solution must be designed to get compatible with android and windows platform.

Assumption and Dependencies:

The proposed solution will be designed to work in any platform. The target platform may consist android. The solution has to be self-sufficient and free from any unfamiliar dependencies.

3. Results

Home Screen

The home screen will display home page with Life app icon and provides graphical user interface to login as reception, nurse, admin, doctor.

Login Screen

This screen provides the login interface for the Doctor, Nurse, and Receptionist.

List of Hospitals Screen

This screen shows the hospitals list which are nearby.

About Us Screen

The About Us Screen shows the whole information about the project.

4. Discussion

The intended audience of this document includes people involved in technical development of the project, doctors and patients giving feedbacks on the project.

This Document describes the general factors that affect the product and its requirements. Although reading the complete document would provide a much better insight of the project, a glance at the subjects highlighted under Overall Description will also effectively brief over the project.

Definitions and Acronyms

Android	Android is a mobile <u>operating system</u> developed by Google. It is used by several <u>smartphones</u> , such as the Motorola Droid, the Samsung Galaxy, and Google's own Nexus One.
Credibility	Credibility is defined as the quality of being trusted and believed in the doctors and patients who are giving the feedbacks about the effective treatment..

Table Definitions and Acronyms

Table 1.Display of nearest hospitals:

Display of nearest hospitals.		Priority (H, L): High
Objective: To check whether the nearest hospitals list is displayed or not.		
Test Description: The nurse should click on the hospital button In the home page.		
Requirements Verified: Yes		
Test Environment: The Test Environment includes-Android Operating system, My Eclipse, Tomcat 5.0		
Test Setup/Pre-Conditions: TOMCAT server should be running. Database used should be available. The system used by the user should be connected to the internet.		
Actions		Expected Results
1: The nurse clicks on the 'Hospital' Button		Nurse will view the hospital's list
2: The nurse clicks on the 'Hospital' Button		User will be navigated to the 'Hospital list screen.
Pass: Yes		Conditions pass: Yes Fail: No
Problems / Issues: NIL		
Notes: Successfully Executed		

Table 2. Sending Message to Receptionist:

Sending message to receptionist		Priority (H, L): High
Objective: To check whether the message is sent to receptionist.		
Test Description: The nurse should select a receptionist and send a message by clicking the send button.		
Requirements Verified: Yes		
Test Environment: The Test Environment includes-Android Operating system, My Eclipse, Tomcat 5.0		
Test Setup/Pre-Conditions: TOMCAT server should be running. Database used should be available. The system used by the user should be connected to the internet.		
Actions	Expected Results	
1: The nurse clicks on the 'Receptionist' Button 2: The nurse types a message and clicks on 'send' Button	Nurse will view the Receptionist list Nurse will see the pop up box "Message sent to 9999898087."	
Pass: Yes	Conditions pass: Yes	Fail: No
Problems / Issues: NIL		
Notes: Successfully Executed		

Test case 4: Health Tips.		Priority (H, L): High
Objective: To check whether the health tips presence or not		
Test Description: After clicking on health tip button some of the tips regarding to blood should be display		
Requirements Verified: Yes		
Test Environment: The Test Environment includes- Android ADT ,Eclipse, Tomcat 5.0		
Test Setup/Pre-Conditions: TOMCAT server should be running. Database used should be available. The system used by the user should be connected to the internet.		
Actions	Expected Results	
1:The user will select health tip tab 2:The user clicks the home button	1: The tips regarding to health should be display 2: The user will be navigated to the Home Activity	
Pass: Yes	Conditions pass: Yes	Fail: No
Problems / Issues: NIL		
Notes: Successfully Executed		

Table 3. Sending Message to Nurse:

Sending message to Nurse(Return Notifications)		Priority (H, L): High
Objective: To check whether the message is sent to nurse		
Test Description: The receptionist must check the availability of doctor's and send message to nurse about the doctor's availability.		
Requirements Verified: Yes		
Test Environment: The Test Environment includes-Android Operating system, My Eclipse, Tomcat 5.0		
Test Setup/Pre-Conditions: TOMCAT server should be running. Database used should be available. The system used by the user should be connected to the internet.		
Actions	Expected Results	
1: The receptionist clicks on the 'Message' Button 2: The receptionist types a message about doctor availability and clicks on the 'send' Button	It will view the screen as "send message to nurse". Receptionist will see the pop up box "Message sent to nurse " , doctor available".	
Pass: Yes	Conditions pass: Yes	Fail: No
Problems / Issues: NIL		
Notes: Successfully Executed		

Figures

1. Home Page



Figure 1. Home Page

Table 4. Health tips:

2. Nearest Hospital

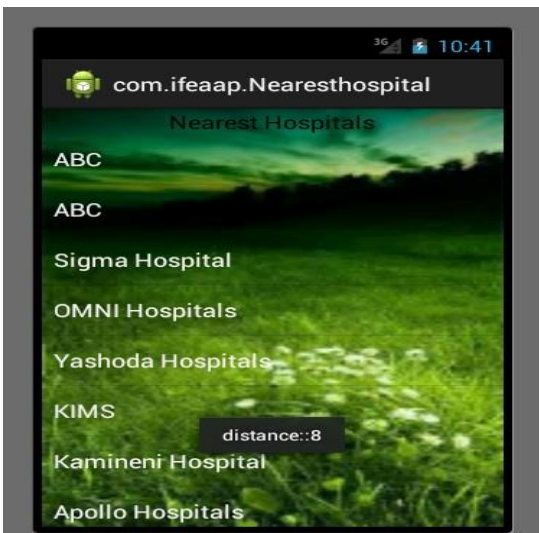


Figure 2: Nearest Hospital

3. Selection of Hospitals

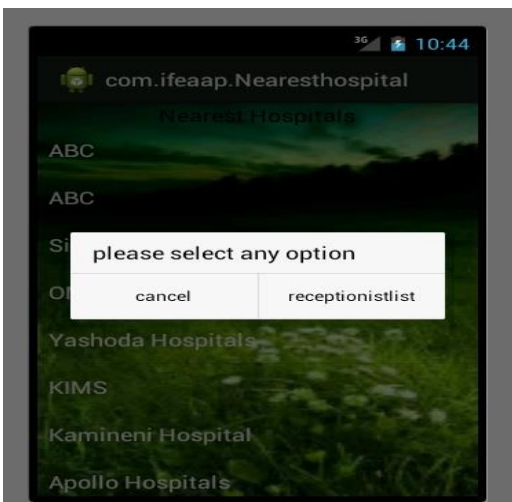


Figure 3: Selection of hospitals

4. Reception List



Figure 4: Reception List

5. Send Message to Receptionist

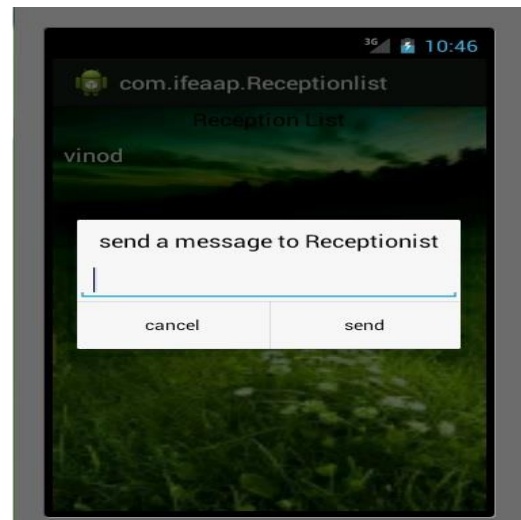


Figure 5: Send a message to receptionist

6. Message Send to:



Figure 6: Message Send to

7. Nurse Message

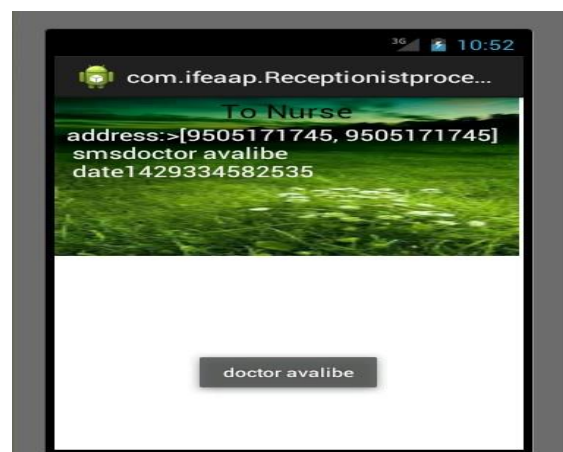


Figure 7: Nurse Message

8. Message to Nurse

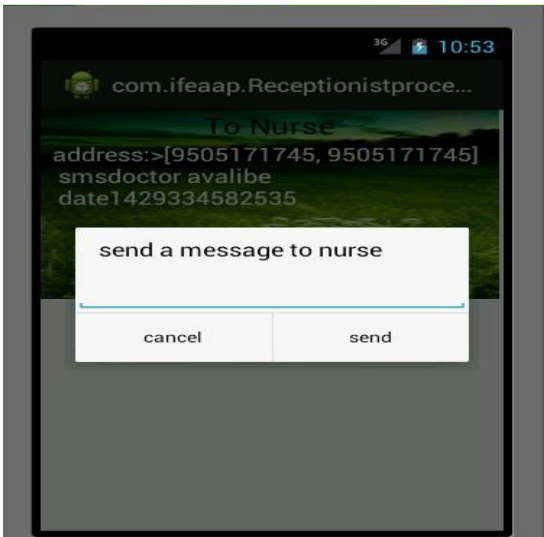


Figure 8: Message to nurse From Reception

9. Nurse Return Notification

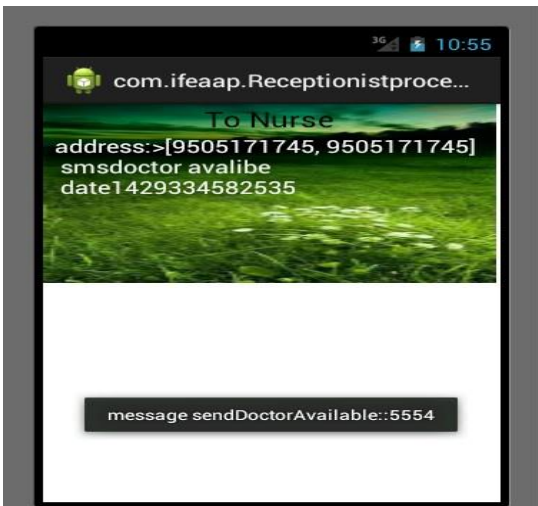


Figure 9: Nurse Return Notification

12. Patient Feedback

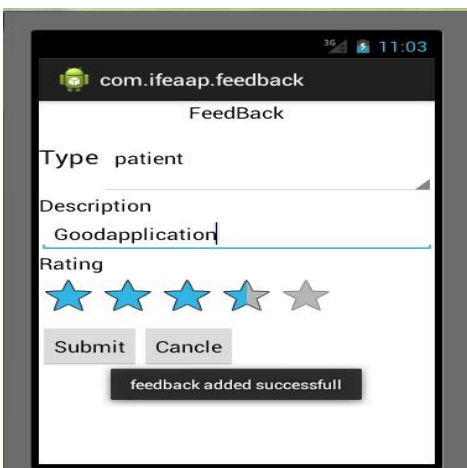


Figure 12: Patient Feedback

10. Vision on Health



Figure 10: Vision on Health

11. Selecting Disease

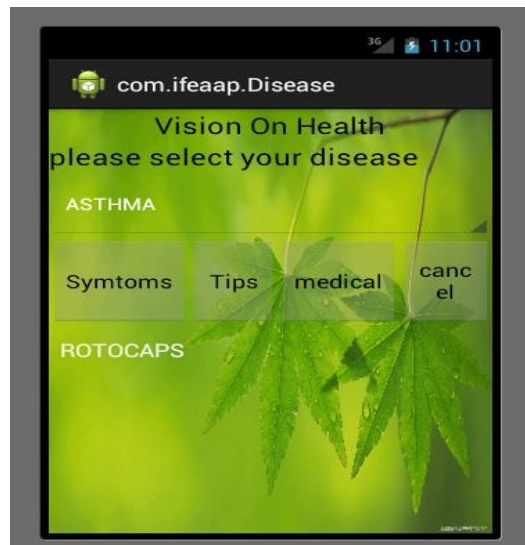


Figure 11: Selecting Disease

13. Doctor Feedback

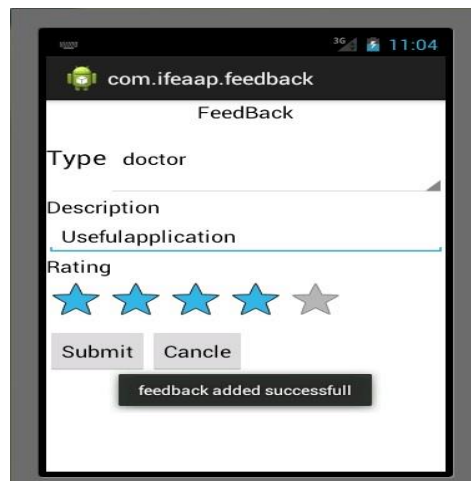


Figure 13: Doctor Feedback

5. Conclusion

This application is mainly useful for the people who need immediate and effective treatment. It helps people to save their life by getting the treatment in the right time. The message notifications are carried out between the nurse and the receptionist.

The availability of the doctor's can be known by the notifications in the form of messages. It helps doctor and the patient's to interact with each other through receptionist.

Reference

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