HOW MATERIAL DONATIONS CAN BE DONE EASILY

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1 Introduction

From the past, people who liked to offer material donations had to go through a lot of work to deliver those offers to people who are in need, on the other hand the people like charity organizations are still having a problem in knowing people who are willing to offer donations, and if it is done it will require them to do a lot of announcing which takes a lot of resources like money. Therefore, I saw it necessary to find out how the material donor can easily donate to the needy or recipients with no difficulty. At the end, the application DONOR AND RECEIVER which will be developed to connect the needy people and the donor in a quicker way. The application aims at bringing the donors and the recipients in close contact so that needy people can receive what exactly they need easily. This application will help find material donors easily. Donors can register to know about the urgent needs and donation location nearest to them. Charity Organizations like churches and schools or any recognized group in need of a material can also register and find donors in their specified area. It is software developed for devices running on android platform version 4.2 and above where charities can look for donors in their nearby area who will be available in quick time.

2 Problem Statement

Currently, people who like to offer material donations have to go through a lot of work to deliver those offers to people who are in need, on the other hand the people like charity organizations are still having a problem in knowing people who are willing to offer donations to them, and if it is done it will require them to do a lot of announcing which takes a lot of resources like money. Therefore, I saw it necessary to find out how material donors can easily donate to the needy or recipients with no difficulty. For the time being the recipients try to make awareness by advertising which some time cost them resources and time, on the other hand the donors have no time to look for the unprivileged. So Donor and Receiver application being developed will allow the needy to register and give a brief description of what they need which will be available for the donor to view. The donor having an android device will have to login and select what he or she has to offer and also give a brief description of the material in terms of size, quantity and finally give a location.

3 Main Objectives

To come up with a scientific technique of how we can link the donor and receiver in a more convenient and quick way with out going through a lot of steps

3.1 Specific Objective

To develop an android application that will solve the challenge of wastage of resources, time on the side of the recipient and makes donor to easily offer since it is done on the android devices like smart phones.

4 Methodology

4.1 The Target Population

Being a charity based application, the clients are the recepients of the donations and the willing donors. The recepients may include, charity houses, homes for the disabled etc. the donors in this case may be individuals, or an organisation like churches.

4.2 Method Used in Collecting Data

4.2.1 Interviews

1 Questions like : How do you feel like using your smart gargets to make a request for a donation ? and this is on the side of the receiver.// 2. Is it convenient for you to be able to donate just at a click of a button?.and this is on the side of the donor.

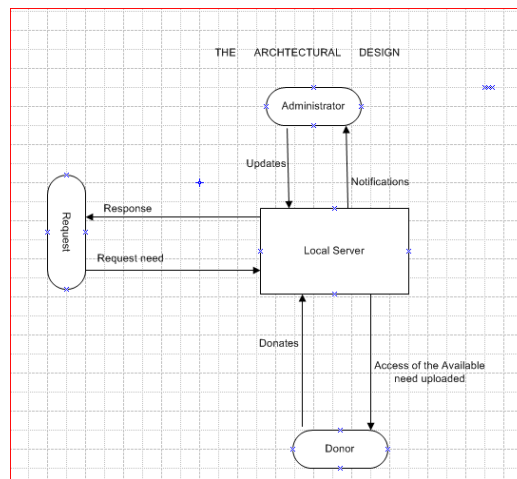## 4.3 proposed archtectural design of donor and receiver application

Figure 1: Archtectue

4.4 Fuctionality of the product

The major functions of the software include the following.

1. Allows the user to register their needs.

2. Allows the donor to register their offers.

3. Allows the recipient to give feedback concerning the donation.

5 Results expected

5.1 User Interfaces of the application

A first-time user of the mobile application should see the log-in page when he/she opens the application. In such a scenario he/she can register. They should be able do that on the log-in page by choosing the sign up option.

If the user is not a first-time user, he/she should be able to sign in by entering his/her username and password. Every donor should have a profile page where they can edit their e-mail address, phone number and password. He/she will then get access to another page, which contains a list of headlines of the various needs that were successfully registered.

When a user selects one of the items on the list, he/she will then see another page containing more information about the need selected. From here, the donor can then choose to give to the need.

5.1.1 Application Interfaces

6 References

1. Object Oriented Modeling and Design with UML-Michael Blaha, James Rambaugh.

2. Software Engineering, Seventh Edition, Ian Sommerville.

3. IBM www.ibm.in/developerworks.

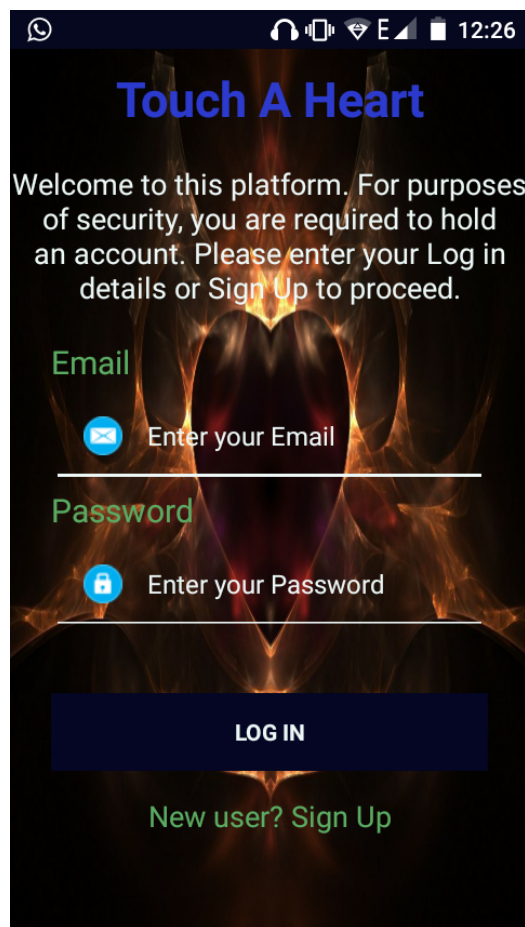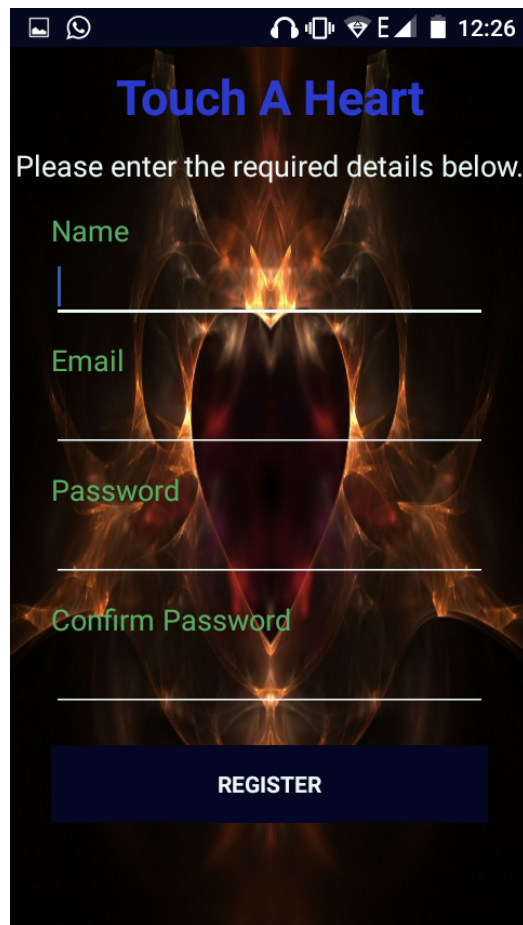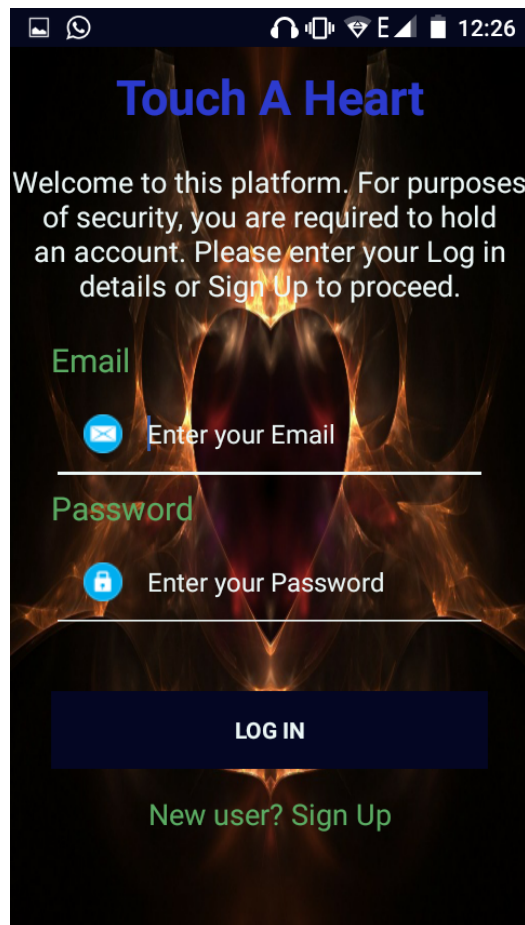The above are the screen shots of the developed application.

Figure 2: Lauch icon

Figure 3: Login interface

Figure 4: Register interface