

# E-Charity Platform for Social Welfare

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**Abstract**—Android app ecosystem is diverse and its usage is changing people's life. It developing a well-designed app is most important tools that person use to access information. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. Our application comprises of use of left over stuff or item or money which can be used by poor one. We will incorporate private individuals, hospitals, education foundations, eatery and so on which can help individuals like halfway house home, seniority home, and society help required individuals by their left over stuff. Everybody who needs to give left over stuff can enroll in this site. The general population who needs to give anything need to transfer points of interest on site.[4]

**Keywords**—*Android, Public, Application, Left Over, Population, Tools.*

## I. INTRODUCTION

Serving for the general public through specialized and programming aptitude. Our application comprises of use of left over stuff or item which can be used by poor one. We will incorporate private individuals, hospitals, education foundations, eatery and so on which can help individuals like halfway house home, seniority home, and society help required individuals by their left over stuff.[4]

Not only that, through our Android and Web application, we open a platform wherein many donors can donate money, clothes, stationery, etc. Everybody who needs to give all this stuff can enroll in this site or app. The general population who needs to give anything need to transfer points of interest on site. According to subtle elements we will send vehicle to get stack and send it to penniless individuals or the donors can individually visit the donation site through contacting the particular NGO. Consequently individuals will help individuals and serve for advancement of society. As we are seen that there is a few NGO whose sites are working for a specific thing like eye gift, blood gift, training, old age Individuals, kids and so forth. are provided. Yet, we are outlining a site which contain all things in just a single site that is the reason our site is called as "E-Charity Platform for Social Welfare". Our application will be the total tolerating stage for the things which individuals need to give without login into another destination. Likewise our site comprise of various required rundown from numerous NGO which will acknowledge our donors donation. Along these lines, that our donors will have full confidence in us that we are not making any illicit utilization of their donation stuff. Our donor will have the full track of their package. Consequently there is no compelling reason to go for a specific site for a specific donation; anybody can give every one of the things here by choosing their classifications according to the donor's necessity which is valuable for benefactor.

Objectives are to connect several users as well as NGOs in the

locality who want to donate. To spread awareness about the different events NGOs, carry out on regular basis. To guide the user about the utmost needs of the underprivileged, so that they could donate accordingly. To amalgamate feedback of the activities and acknowledge users about it. To create an amiable social environment to booster up the user's anticipation towards the awareness. Reduce Paper work of NGO as well as easy to handle users.

## II. LITERATURE SURVEY

The problems faced by NGOs are they could not get enough financial assistance from the donors to donate. They have to maintain paper work as to who has given how much rupees or how much of donation to whom from the team member. There is lack of public participation as many people are unaware of how and where the things are being distributed and donated. NGOs are having problems regarding the development approaches like where we can give a donation or where in we can expand our areas of donating. There is a poor communication with the donors as people have trust issues. Due to maintaining paperwork there is a data loss issue which is being faced. Advertising about an organisation is lagging as they had no proper platform to advertise their NGOs and to promote or encourage the donors to donate.[2]

Issues for the donor are they are unable to donate as they are unaware about the currently working NGOs or an authentic NGOs and even they are unaware about the currently going programs such as donating food to some places, donating money, donating stationeries, donating clothes. The donors also face the trust issues as they do not know which NGO to trust and there was a lack of proper communication as they were not able to find out which NGOs are nearby them.

According to An Interactive Data Visualization Tool for Observing History of Fire Review paper, Mobile money applications are convenient, and they are the future of banking and transactions.

We are proficient in finding vulnerabilities potential security issues using this. Citation: Hesham Darvish, Mohammad Hussain. Security Analysis of Mobile Money Applications on Android (2018).

In a paper regarding Supercaly: Calendar assistance, Calendar is required when it comes to decide events, reminder, meet-ups. In this paper SuperCaly provides a smart calendar which help in creating event. Citation: I Yoon, N Gary, X Dong, H Duan, A. Aggarwal. Supercaly: Calendar assistance (2017).

With the help of an IEEE paper Travel management system using GPS & geo tagging on Android platform, We will implement its part of it which is finding nearby location using google places and Map API. With the help of an IEEE paper Professional chat application based on natural language processing, mechanism of creating professional chat application that will not permit the user to send inappropriate messages to the participants by incorporating base is being used.

From An IEEE paper, Security Analysis of Mobile Money

Applications on Android, it is learnt that Mobile money applications are convenient, and they are the future of banking and transactions. We are proficient in finding vulnerabilities potential security issues using this.

### III. PROPOSED APPLICATION FRAMEWORK

Application consists of 2 modules:

1. USER PORTAL
2. NGO PORTAL

On the user portal, first it sets up the base for collection of donations providing the facilities, then it is verified and adds a cause and make the users aware of it. User reviews the cause-whatever activity has been performed by the NGOs and the user can even post, comment on the photos of the donation. User makes a donation in the form of money, food or materials to the cause or even they can be physically present at the site of donation.

#### NGO Portal

On the side of the NGO portal, firstly NGO has to sign in to the application then upload all the events or it can see how much of the donation is flowing in through. Then after signing in, it can upload the event and then he can verify the cause and then it is visible to the user wherein the admin makes it visible to the user. One the other side, after signing in, an NGO sees how much donation is flowing through with the help of the statistics and the graphs shown by using Machine Learning and then any time it can withdraw the donated amount for the donation.

Project is divided into following modules:

- i Module I: Login
- ii Module II: Profile and Newsfeed
- iii Module III: Discover
- iv Module IV: Chatting system

#### 1) Module 1 :Login

- Splash Screen
- Onboard Screen
- Register four steps – OTP verification
- Login Screen
- Forgot Screen – Email

#### 2) Module 2 :Profile and Newsfeed

- Home Screen – Post Shown , Five Fragments .
- Profile Screen – Update Name , Phone No , Email .
- Add Post Screen -
- Upload and Edit Image ,Title, Description
- Go any profile users
- Notification of who post like and comments
- Receive Text And Images from any apps

Feature of Post –

1. Like - Count and show who likes post
2. Comment – count and show comments.
3. Share – Share Via any app.

#### 3) Module 3: Discover

- Search Post on Home page
- Search Register users on user Screen
- Search Specific post of selected user
- Search Ngo profile

#### 4) Module 4: Chatting system

- Chat with any users

- Create chat list
- Show online status and typing status
- Delete your chat
- Block users if you want
- Send message, Images etc.
- Message Seen status .

### IV. METHODOLOGY

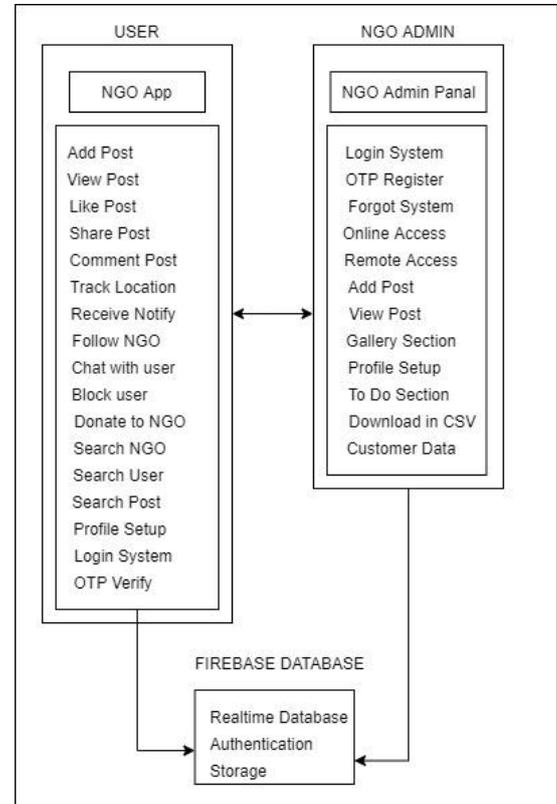


Fig 4.1 NGO app & NGO admin panel

From the user side, a donor can add the post, view the post, like the post, share the post, comment on the post, track the location of the nearby NGO, receive the notification of the NGO if an NGO has added any post or has modified anything or it has any activity to be displayed. You can follow the NGO. If a donor wants to chat, then he can do it with the help of chat section and chatbot. If the donor wants to block a particular NGO or another donor, he can do so. If you want to donate to an NGO, you can search a particular NGO and can donate via the payment gateway.[1]

A donor can have its own profile set up and his own login and activities' details. There is a provision of an OTP verification to ensure Authenticity.[2]

On the NGO side, the NGO admin can log into the system having an OTP registration and forgot password system. He has online access, remote access at the post. He can view the post, create the NGOs own gallery section where can setup his posts. He can maintain a profile setup of the NGO. If an admin wants to keep the track of the pending events or upcoming activities, he can mention it in the To Do section. Admin can download everything in the csv format. Admin can have a list of the customer data with the help of the firebase database which is a very Robust and better storage capacity.

guides the researchers in the field of developing such an android as well as web application wherein it is beneficial to both , the NGOs and the donors.

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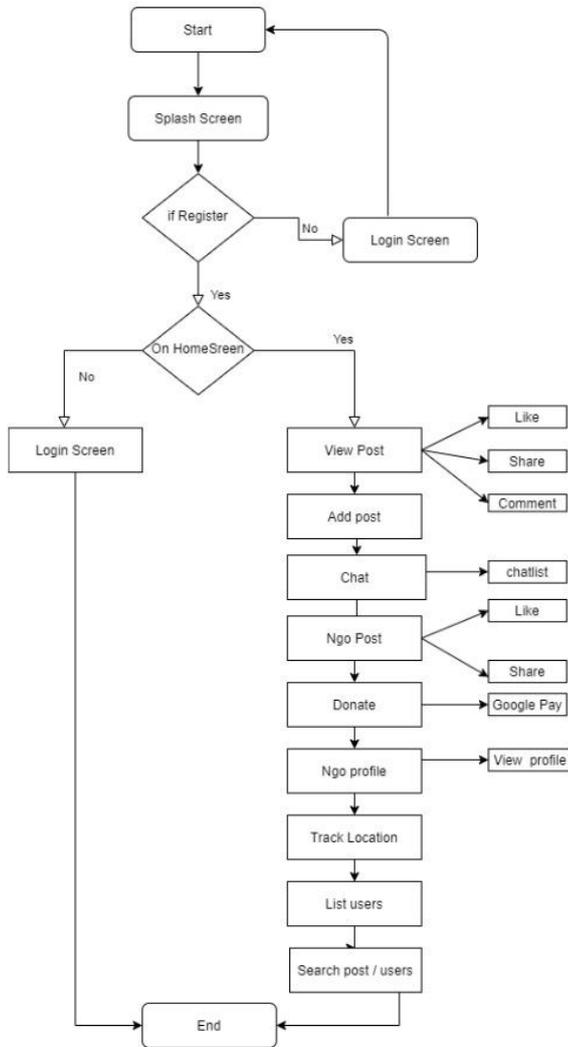


Fig 4.2 flowchart

To start with using the Android application or the web application, first a splash screen will be displayed and it will ask if you want to register. If no, then login screen will be displayed and again it will take you to the start. If you want to register, if yes then first registration process will be completed and it will get directed to the home screen. Then there will be many options like to view the post, like, share and comment on posts and if you want to add any post (applicable for both donors as well as NGOs). If you want to chat, there is a chatbot in which there is a chatlist. If you want to donate, then you can with the help of payment gateway i.e. Google pay.[1]

NGOs profile will be seen to donors. They can see NGOs' works done and activities performed uptill now. If a particular donor wants to donate other than money, then NGOS as well as the donor can track each others location. There is an option to Search the NGOs using the search nearby location API and then you can logout or simply switch or close the app.[2][3]

### CONCLUSION

Android apps markets are increasing very rapidly. Thus, controlling the quality of these apps, especially the security risk of them across the whole markets becomes an essential concern to everyone. But this application, Provides features such as Search nearby NGO, Chat bot through AI, Generate Report through ML, Push Notification, Support multiple language, Upload video, picture, blog, news for events, Payment Gateway, Authentication through OTP. The main contribution of this paper is to present a reference model that