

vSewa

Group no - 23

Md Asif Anwar 2017TT10922

Mohammed Zia Kamran 2017TT10925

Dipanshu Sharma 2017EE10306

Poojith Gundelli 2016PH10581

AN ANDROID APP using FIREBASE for Database Management, Authentication, Storage

PROBLEM STATEMENT:

There are people in the city who are old age, PWD, needy and they need sometimes voluntarily help (like sometimes they need help at railway stations, metros for mobility, to move heavy stuff from one place to another in their house, etc). So, they required someone voluntarily to help them. A lot of NGOs struggle to reach out to people and recruit volunteers, increase publicity for their cause and manage volunteers and events efficiently.

On the other hand, there are people with a job or while studying, who would like to volunteer in their free time, but they are not able to do this due to lack of platform and motivation. We aim to create a platform to cater to the needs of individuals and NGOs.

OBJECTIVE:

Our objective is to provide help locally to old age people, PWD, needy by connecting with people who want to volunteer, through the app and NGOs and increase awareness in people.

STAKEHOLDERS:

Volunteers

Needy individuals (PWD, Old, etc)

NGOs

FEATURES:

1. LOGIN & SIGNUP

1. Login and signup (categorized as old, PWD, NGO, volunteer)
2. Option for both volunteering or needy or Organisation

2. VOLUNTEER

1. Rating and Feedback based on their performance
2. Reward System on the basis of their volunteering, rating, and feedback and after some points they can redeem their reward for something
3. Block option(block specific individuals)
4. Do not disturb mode(to stay inactive)

3. NEEDY

1. Rating and feedback based on their requirement
2. Block option (block specific individuals)
3. Decide priority of their help request and range for targeting volunteers

4. MESSAGING ENVIRONMENT

1. Group messaging system
2. The personal messaging system between volunteer and needy to ensure the privacy of users
3. Group formation to help like-minded people come together for a common goal

5. VERIFICATION

1. Volunteer
2. Needy
3. Based on Mobile No., Email id and face verification
4. NGOs to be verified based on due registration and official proofs

6. MISCELLANEOUS

1. Linking between needy and volunteer by using google Maps API, nearest volunteer (min - 50 m and max - 1 km range) get a notification to pick up the request and volunteer.
2. Feedback and report(block) mechanism for both volunteers (based on performance) and needy(on their behavior).
3. Blocking option for both(if someone using unethically)

4. Classify users according to their interests and then recommend volunteers and needy according to their requirements
5. Machine learning algorithms to give better recommendations to volunteers based on their previous activities
6. For NGOs, there can be event recruitment or permanent recruitment options.
7. Rate public places based on accessibility and user-friendly nature
8. Notification can be forwarded to a linked social media account
9. SOS button for needy and volunteer in case of any mishappening
10. Volunteer analytics and feedback available for NGOs

SCOPE:

To provide help locally to old age people, PWD by connecting them with volunteers. This can be extended for the NGOs and other social service camps where people nearby can sign up to volunteer for organizations or even join them. This can also be extended for helping people in emergency situations(accidents, travel needs, etc) if they are stuck in remote areas. A reward system helps in the active participation of volunteers and increases users by ensuring motivation in terms of rewards. Initially, we release this in the local area to test the app and expand it further after fixing bugs(if any). It can be used to search for blood donors. Social media apps notification via a linked account can be used to alert the volunteer. The rating system can be used to show the impact of the area. Further, a web portal can be made to volunteer. The use cases can be increased in various directions but the core of the platform is to connect volunteers and needy individuals, NGOs.

THANK YOU