PICK IT UP AND PASS IT ON: A DIGITAL CHARITY APPLICATION

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ABSTRACT

Charitable societies in the Kingdom of Saudi Arabia seek to achieve a set of goals, and they work hard and in all available ways to achieve them, as they seek to reduce poverty and homelessness rates among members of society, as well as work to reduce the gap between social classes by strengthening the ties between the rich and the poor. The Pick it up and pass it on App is a mobile application that allows someone who wants to donate anything to have access to the services of the charity system with the least time and effort. The application offers a lot of assistance and protect the rights of the donors. The application offers all kinds of donation, where donor can upload the description of the donation along with a photo that can be taken using the camera of the mobile and the status of the donation then the admin will contact the proper organization for receiving the donation and allows them to contact the donor to coordinate and take the donation by their terms.

Keywords: Charity, Donations, Mobile application, central database

I.   INTRODUCTION

Donations are considered voluntary charity and is a way to be close to Allah Almighty in a time other than the obligatory prayer and at any time, and in any amount that a Muslim can do. In the verses of Quran Allah SWT says: "Those who spend their wealth by night and day secretly and openly, then for them (is) their reward with their Lord, and no fear on them and not they will grieve".

Donations helps in reducing the crime rate in society because donating is the helping hand to people who need little to live in peace, and in the absence of spending, young people become more prone to crime out of living and owning something that saves life, and then spending rids this category of some crimes that occur to get some money[1].

The importance of donations is not hidden from anyone where people make donations to help other people, whether from illness, poverty or others. The most important of which is to ensure that the donation is directed to secured and recognized

institutions, to ensure that the donations reach those who deserve it. Donations are important and have their impact on the Islamic community where it helps the state to cover people's needs and reach marginalized groups and the most in need. Donation funds helps in reducing the burdens on the state, so the state directs its funds to development projects. Donations help people from the effects of humanitarian disasters: which may occur at any time [2].

II.   WHAT IS PICH IT UP AND PASS IT ON

People by nature are willing to do good deeds and tend to help others and willing to give extra things in their property like extra food, old clothes, or furniture to other needy people but they face the problem of reaching to the proper organization for each category of the things. Many charity organizations have their website or application which is not always easy to install and use by the giving people as the diversity of these sites and applications[6]. Also, people have the problem of making sure that the website or application is trusted to receive the donations. Raising awareness among people about a specific issue, which is a step in solving the problem or issue such as the problem of throwing excess food or old clothes, where the association may spread awareness in schools and government institutions, and public events about the possibility of donating these things where other people can benefit from them. [3]

Raising funds for noble purposes, is one of the main reasons for creating charitable organizations to offer funds for certain groups of society, such as the elderly, orphans, people with special needs, and other groups. Giving the rich people the opportunity to give assistance to other parties of society, so they can feel satisfied with themselves, and at the same time removing the barriers between the different parts of society, so that warmth is spread among them through donations and joint interest from all parties.

i.   Allows donors to easily upload information about their donations.
ii.   Allows system admin to direct the donation to the proper organization easily
iii. Saves time of searching the charity organizations by the donors in the Kingdom and its location.
iv. One place to find all charity organizations.

III.   HOW IT WORKS

We propose a mobile application to solve the charity and donation problem where the application allows people to register and add their donations information aligned with supporting pictures and description with status of the donated things. The admin of the system will add the charity organizations to the systems and communicate with them to allow them to reach the donor to get the donations[7]. The represener of the charity organization will be able to close the donation by providing information of getting the donation.

- Quick access to proper organizations concerning donations.
- Donating to a known and reliable organizations without a doubt.
- Archiving donations in one central database.
- Facilitating and organizing donations and its distribution.

IV. COMPARISION WITH OTHER APPLICATIONS

The Kingdom of Saudi Arabia includes a large group of charitable societies that have had a clear impact in reducing poverty[5]. The approved charities in the Saudi have provided many programs that have helped the poor class to overcome the poverty that this class is going through, and among the most prominent charities accredited in the Saudi the following:

- Orphan Care Association in Riyadh.
- Al-Nahda Women's Charitable Society.
- Saihat Association for Social Services.
- Disabled Children's Association
- Saudi Charitable Society for AIDS Patients.
- Charitable societies in Riyadh:
- Hugging Charitable Association.
- Al-Bar Association in Al-Ahsa.
- The National Committee for Social Development in Qatif.
- Endowments of Suleiman bin Abdulaziz Al-Rajhi.
- Sultan bin Abdulaziz Al Saud Charitable Foundation. [4]

Here we describe the working of existing applications are different than the proposed application.

a) Dar Alber

The application serves in United states of Emirates where the registered donor can donate for a specific amount, he decides to give according to the category in the projects of the charity organization which is registered under the Ministry of Social Affairs.

b) Albarakah

The charity website offers online charity services to the needy and poor, and create charity projects that goal for caring for children, orphans, mothers and the disabled.
The association was established in DAMAM to rehabilitate the beneficiaries for a better life and improve their social, health and cultural conditions by providing them with relief and social services

The website offers an easy user interface with links for the online payment and links for the accounts of the organization in the local Banks of Saudi Arabia. The link for the beneficiary gate is not working and gives an error in the system. The projects are mostly serving the people of Damam.

c) Daleel

to the definition of charities affiliated to the Ministry of Social Affairs in Medina region. The application is mainly for information purposes and there is no need to register to use the application. The system is easy to use with good looking interface and search facility.

Table: **comparison of existing application with the proposed one**

Features	Al Ber	Albaraka	Daleel	Pick it and pass it on
Direct Contact between donor & association	✓	✓	✓	✓
Ability to donate fund	✓	✓	✗	✓
Registration	✓	✓	✗	✓
Accept food	✓	✓	✗	✓
Accept Clothes	✓	✓	✗	✓
Accept furniture	✓	✓	✗	✓
Ability to upload pictures	✗	✗	✗	✓
Other organizations are involved in the system	✗	✗	✓	✓

V. FUTURE IMPROVEMENTS

The system can be improved by including chat functionality and including more languages and extending the donations to more regions and countries. Also, the system can be improved by adding real time chatting between doners and organizations and the admin.

VI.   CONCLIUSION

we presented the problem of gathering the doners with different donations with the proper donation receiving organization where we proposed a mobile application for managing the donations and distributing them to the suitable organization. A comparative study was conducted with the similar systems. The admin will be responsible of managing organizations, activating or deactivating doners, organizations. The admin will accept the donation and assign the donation to an organization from the listed in the system. The donor needs to register before being able to access the system. The organization will be able to view the assigned donations and contact the donor. The system was analyzed following the agile methodology of SDLC and UML was used to draw different diagrams to analyze and design the system.

REFERENCES:

[1]"التبرعات وأثرها في المجتمع", *www.alukah.net*, 2021. [Online]. Available: https://www.alukah.net/sharia/0/88442/. [Accessed: 07- Nov- 2021].

[2]"تاريخ العمل الخيري في المملكة العربية السعودية", *www.alukah.net*, 2021. [Online]. Available: https://www.alukah.net/culture/0/87551/. [Accessed: 07- Nov- 2021].

[3]"ويكيبيديا، الموسوعة الحرة", *Ar.wikipedia.org*, 2021. [Online]. Available: https://ar.wikipedia.org/wiki / قائمة_الجمعيات_الخيرية_في_السعودية. [Accessed: 07- Nov- 2021].

[4]   [1]2021.   [Online].   Available: https://steprimo.com/android/us/app/com.designtailors.gam3yatApp/%D8%AF%D9%84%D9%8A%D9%84-%D8%A7%D9%84%D8%AC%D9%85%D8%B9%D9%8A%D8%A7%D8%AA-%D8%A7%D9%84%D8%AE%D9%8A%D8%B1%D9%8A%D8%A9/. [Accessed: 16- Nov- 2021].

[5] *Play.google.com*, 2021. [Online]. Available: https://play.google.com/store/apps/details?id=app.itkey.com.daralber. [Accessed: 16- Nov- 2021].

[6]"Incremental Model in SDLC: Use, Advantage & Disadvantage", *Guru99*, 2021. [Online]. Available: https://www.guru99.com/what-is-incremental-model-in-sdlc-advantages-disadvantages.html. [Accessed: 07- Nov- 2021].

[7]*Cs.nyu.edu*, 2021. [Online]. Available: https://cs.nyu.edu/~jcf/classes/g22.2440-001_sp11/handouts/intro_rdn.pdf. [Accessed: 07- Nov- 2021].