# A Review of Donation Application

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*Abstract—* Donation is the act of giving something, such as money, goods, or time, to a person or organization in need without expecting anything in return. It is an important aspect of social responsibility, as it allows individuals to contribute to the betterment of society and help those who are less fortunate. Food, clothes, grains, and money donation are all different ways to support those in need.Food donations involve providing non-perishable food items such as canned goods, rice, pasta, and other staples to food banks, shelters, and other organizations that serve people experiencing hunger or food insecurity.Clothing donations typically involve giving gently used or new clothing items to organizations that distribute them to people in need.Grain donations involve providing grains such as wheat, rice, and corn to organizations that distribute them to people in need or use them to make meals for those in need.Money donations can be made to organizations that work to alleviate poverty and other social issues.This paper addresses about the review of donation application.

*Keywords—* *Food ;clothes;grain;money; web Application; Firebase; Authentication; Storage; database.*

## 1. INTRODUCTION

The donation app is a mobile application designed to streamline the process of donating to various causes and organizations. The app provides users with a simple and secure platform to make donations, browse through different charity options, and keep track of their donation history. With the app's user-friendly interface and extensive list of charities, users can easily discover causes they care about and make a difference with just a few clicks. Additionally, the app allows users to set up recurring donations, enabling them to make a regular impact on their chosen causes. By using the donation app, users can feel confident that their donations are making a meaningful difference and helping to create positive change in the world.Clothing donations typically involve giving gently used or new clothing items to organizations that distribute them to people in need.Grain donations involve providing grains such as wheat, rice, and corn to organizations that distribute them to people in need or use them to make meals for those in need.Money donations can be made to organizations that work to alleviate poverty and other social issues. These funds can be used to provide food, clothing, shelter, and other necessities to those in need, as well as support other important programs and initiatives.Overall, all of these types of donations can make a positive impact on the lives of those who are struggling and can help to make a difference in communities around the world.

### 1.1 Motivation

There are the several factors that are responsible for motivation behind selection for this topic. These are :

1.Supporting a cause: Donation applications provide a platform for individuals to support causes they care about, such as charities, non-profit organizations, or disaster relief efforts.
2.Making a difference: By donating through an application, individuals can make a tangible impact on the lives of others and feel like they are making a difference in the world.
3.Convenience: Donation applications offer a convenient way to donate without the need for physical visits or sending cheques, making the donation process much easier and more accessible.
4.Transparency: Many donation applications provide transparency on how donations are being used, giving individuals a clear idea of how their money is being put to use.
5.Social pressure: Donation applications can create a sense of social pressure to donate, as users may feel compelled to contribute to causes their friends or colleagues are supporting.
6.Tax benefits: Depending on the country, donating through an application may provide tax benefits to the donor, making it an attractive option for those looking to donate and save on taxes. Overall, donation applications can provide a quick, easy, and effective way for individuals to support causes they care about and make a positive impact on the world.

### 1.2 Basic Concept

Donation refers to the act of giving or contributing something, typically money or goods, to a person, organization, or cause without expecting anything in return. Donations can be made to a wide range of recipients, including charitable organizations, non-profit groups, religious institutions, political campaigns, and individuals in need.The basic concept of donation involves voluntary giving with the intention of helping others. Donations are often given to support causes such as poverty alleviation, disaster relief, medical research, education, and the arts. Donors may also choose to give to specific organizations or individuals who are important to them or who they believe will use the donation in a

meaningful way.Donations can be made in a variety of ways, including through cash or check, online platforms, wire transfers, and the donation of goods or services. Donors may also choose to make one-time or recurring donations, and some may choose to donate anonymously.Overall, the concept of donation is rooted in the desire to help others and make a positive impact on the world.

## 2. LITERATURE SURVEY

Donation apps are becoming increasingly popular as a way for people to easily and conveniently give to charity. A literature survey on donation apps would involve looking at the research that has been conducted on this topic to gain a better understanding of how they work and their impact on charitable giving.

in paper [1] A. Anandkumar, M. Aravinth Kumar, G. Guhan, M. Karthik , they created a web-based application "Get A Bite" that will allow individuals to give their leftovers, as well as books and clothing, and persons in need of a meal will be able to acquire something to fill their empty stomach. A person will submit a new request to the administrator, who will approve it.[1]

In paper [2] Divyesh Jethwa, developed "Reducing Food Waste Through Donation", published in 2018, states that a large amount of food is wasted at weddings, restaurants, social functions and some other places. So they came up with the idea of developing a web application through which people could easily donate their leftovers without any manual work. They worked to develop a food donation portal where food can be donated by large retail chains and potentially other organizations. Their request was solemnly aimed at donating food and no other items such as clothes or books etc. [2]

Grain donation apps have emerged as a means of addressing food insecurity in developing countries where small farmers are vulnerable to food shortages. These apps connect grain donors with recipients, such as food banks, schools, and communities.

In paper by Anggy Pradiftha Junfifthrana stated that Internet of things is a technology that can provide solutions to overcome problems for donors and orphanages in managing the availability of food reserves. In this case rice is a "thing" that is vital for the survival of the children of the orphanage, however the information must be known and can be forwarded through the network in order to be accessible to everyone. Raspberry-pi 3 as the MCU in this system has the advantages of internal WIFI facility that can be connected directly to the network wirelessly without any additional devices [3]

Food insecurity has been a chronic and significant issue in our society, specifically in low-income areas. Hunger, poor nutrition and health, and early death are only a few of the terrible impacts. Hunger is caused more often than not by a lack of food; rather, it is a matter of figuring out how to make the food that is available, accessible to everybody. Non-profit organization work to alleviate the negative consequences of food insecurity by giving food and services to those who are hungry. This organization rely on the generosity of donors, food donations, to achieve their goals. This paper focuses on creating a mobile and web application called Foodernity with the goal of easing the burden of needy people who require food to survive. This is critical, especially in times of crisis like the COVID-19 pandemic, where most of the people in low-income areas don't have enough budget for their food every day.[4]

Cloth donation apps have emerged as a new way of donating clothes to those in need. This literature review explores the research on cloth donation apps and their impact on clothing donation and reuse.

In paper by Naresh Thoutam, Adesh Samdadiya, Nikhil Sharma, Ratnesh Chimnanicreated "Android Application For Food, Clothes AndBooks Donation And Management",where If the user is giving clothing, the user is prompted for information such as the clothing's appropriate gender (male, female, or unisex). The state of the garments, Clothing dimensions, The type of clothing, as well as the colour of the clothing, are important considerations (in case the photo of the uploaded cloth is not clear or appealing). Some additional clothing descriptions and information [5]

Money donation apps have gained popularity in recent years, as they offer a convenient and efficient way for individuals to donate money to their favorite causes. This literature review explores the research on money donation apps and their impact on charitable giving.

In paper by F. Fundamentals, "CrowdFunding Application For Waqf Donation" states The implementation of crowdfunding in collecting waqf funds is the right solution to raise many funds because it can reach the global community without the limitations of space and time. This study proposes a web and mobile-based crowdfunding application with a specific purpose for raising waqf funds at a waqf institution in Indonesia. We develop this application using a prototype model and webview system [6]

By Sheikh Shamcur Rahman ,at el., in there paper[7] explained the aim of application to provide a platform, where the donation procedure can be completed within a short time by using mobile banking.Mobile Banking is the process of sending money from a bank account to another

through mobile phone.There are many Mobile banking service providers like B-Kash, DBBL Money Transfer, U-cash etc.  People are using mobile banking, because it offers easy access , good security, and mobility [7]

## 4. Proposed System

The Proposed system includes the following functionalities:

**Donation Categories**: There  are categories of donations, such as charity,food,grain,clothes.. This will help donors choose the cause they want to support

**User Authentication**: You will need to have a secure user authentication system that allows donors to create an account and log in to your platform.

**Payment Gateway Integration**: You will need to integrate with a payment gateway to enable donors to make payments using a variety of payment methods such as credit/debit cards, PayPal, or other payment services.

**Social Media Integration**: You may want to integrate your donation platform with social media platforms to allow users to share their donations with friends and followers.

**Transparency**: To have transparency in your system by providing donors with details about the organizations and causes they are donating to, and how their donations will be used.

## 5. ADVANTAGES

- Donating, whether it be money, goods, or time, can have many advantages both for the recipient and the donor. Here are some of the advantages of donation:
- Helping others: The most obvious advantage of donation is that it helps others. Whether you are donating money to a charity, goods to a shelter, or time to a community organization, your donation can make a real difference in someone's life.
- Creating a sense of purpose: Donating can give you a sense of purpose and fulfillment. Knowing that you are making a positive impact on someone else's life can be incredibly rewarding.
- Improving your community: Donating to local organizations can help to improve your community. By supporting local charities and initiatives, you can help to create a more vibrant and thriving community for everyone.
- Tax benefits: In some cases, donating can also provide tax benefits. Depending on where you live and the organization you are donating to, you may be able to deduct your donation from your taxes.
- Encouraging others: By donating, you may also encourage others to give back. Your actions can inspire others to get involved in charitable causes and make a difference in the world.
- Personal growth: Donating can also help you to grow as a person. It can increase your empathy and compassion, and help you to see the world from a different perspective.
- Overall, there are many advantages to donation, both for the recipient and the donor. Whether you are giving money, goods, or time, your donation can make a real difference in the world.

## 6. CONCLUSION

In conclusion, donation applications provide a practical and efficient way to support the causes you care about. Users of these apps may simply manage their donations, make recurring gifts, and send money to a variety of causes and organisations. Moreover, donation apps frequently offer accountability and transparency, enabling users to see precisely where and how their money is being spent.

However, it is crucial for users to conduct due diligence and make sure the charities they are supporting are legitimate and have a proven track record of utilising donations to good purpose. Also, users should be informed of any costs related to using the donation app and think about choosing another method of giving if they are uncomfortable with the costs.

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## 7.  ACKNOWLEDGEMENT

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