

An implementation of Online Stuff Donation System for NGO

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ABSTRACT

To meet the increasing demand for improvements in the health care facilities and services we can utilize the power of internet technology and its wide network by which people can help each other with just one click. As the name suggest the online stuff donation system for NGO is developed for providing an online platform where people can donate unused medicines, reusable clothes, toys and other household things to needy people. This development targets to contribute stuff which are fresh or idle. This things can be given for further utilization by a poor person. In this project there are three modules namely, Admin, NGO and User. First of all user need to register on a portal. After registration user can donate medicine and other things by providing accurate medicine details to NGO. Admin will login and manage users by deleting and blocking the users providing improper or expired medications. They can donate remedies by providing remedies detail and raising demand, further it will be agreed by admin and NGO, they will schedule the donating date. Users can also check their previous data of remedies transactions.

Keyword : - Search Engine, Online Donation, Web pages, User, Admin

1. INTRODUCTION

A donation of stuff, when well organized and controlled, can save lives and ease the suffering, effective donation practices can provide savings in budgets for development support, so that these services can be used for other purposes Actual donation practices can provide savings in budgets for development funding, so that these facilities can be used for other purposes. The "Online Stuff Donation System" for NGO serves as a bridge between an immense network of people and NGO'S, old age house. A NGO is a non-income-driven

organization self-governing of States and all general administrative organizations. They are usually supported by blessings, yet some completely avoid official funding and are run by volunteers in soul. Users of Internet have increased rapidly in the last one or two years and counting is still on it becomes very easy for users to use the website. As we realize there are several current donation sites for pharmaceutical items, they are not up to the standards and require more manual data treatment. We can developing new and upcoming image processing technologies to overcome this problem in future. With this technology we can solve all the above-mentioned difficulties and have a very user friendly website.

2. PROBLEM DEFINATION

After making a survey for the situations of charities, we found that, some charities need financial support, and some charities have surplus and there is a lot of donors who can give financial support but they don't know about charity's needs. In addition, some families have surplus but, they do not know who benefit from it. Therefore, we propose to build an online stuff donation system for NGO for the distribution of donating between charities, giving people the ability to notify about the surplus, and to inform about the poor who need help.

2.1 Project Life Cycle

The waterfall model is a classical model used in system development life cycle to create a system with a linear and sequential approach. It is termed as waterfall because the model develops systematically from one phase to another in downward fashion. The waterfall approach does not define the process to go back to the previous phase to handle changes in requirement. The waterfall approach is the earliest approach that was used for software development. The classical waterfall model divides the life cycle into a set of phases. This model considers that one phase can be started after the completion of the previous phase. That is the output of one phase will be the input to the next phase. Thus the development process can be considered as a sequential flow in the waterfall. Here the phases do not overlap with each other. The different sequential phases of the classical waterfall model are shown in the below figure:

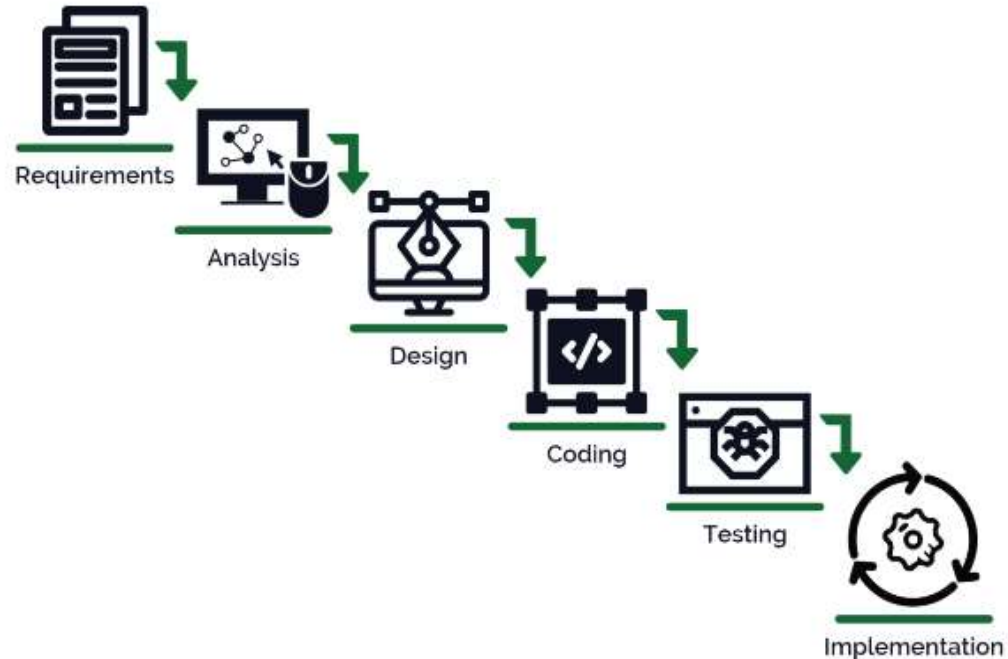


Fig 2.1 Waterfall Model

3. METHODOLOGY

The Online Stuff Donation System is a web-based application. In this system, there are three entities, NGO, Volunteer, and users. Users can post Available toys, reusable clothes, furniture, food, medicine with the medicine name, medicine description, QR code, and medicine expired date and other household things. In this process, the user (donor) should have register yourself and start with the login process. Users will verify by OTP process, this OTP process done by python and email service. Users can open previous donation records. Users will view Volunteer status i.e. volunteer is arriving or not and also medicine and other things will assign or not. On the NGO (admin) side, they can see all users and all volunteer details and also see all the records. Admin is the main part of this system. Admin approves volunteer requests because without approval volunteer cannot log in. admin select volunteer and assign respective medicines. Admin can give points to users. The volunteer is the end user that purchases respective medicines. The first volunteer registers yourself and waiting for approval because without admin approval they cannot log-in in this system. When Admin assign him things, he can open the user's address location on the Google map and go to that location and bring the things. In this system XAMPP is used for local database python used for Connectivity between database and web application.

3.1 Module 1: Admin site web-based application.

The administrator is the super user of this application. Only admin have access into this admin page. The administrator has all the information about all the users, Volunteers and Available Medicines. This module is divided into different sub modules.

Admin approves volunteer requests because without approval volunteer cannot log in. admin select volunteer and assign respective things.

- A. All Users
- B. All Volunteers
- C. See all medicine

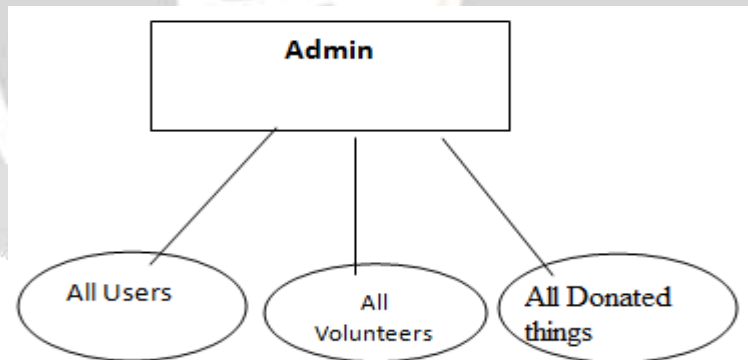


Fig 3.1 Block Diagram

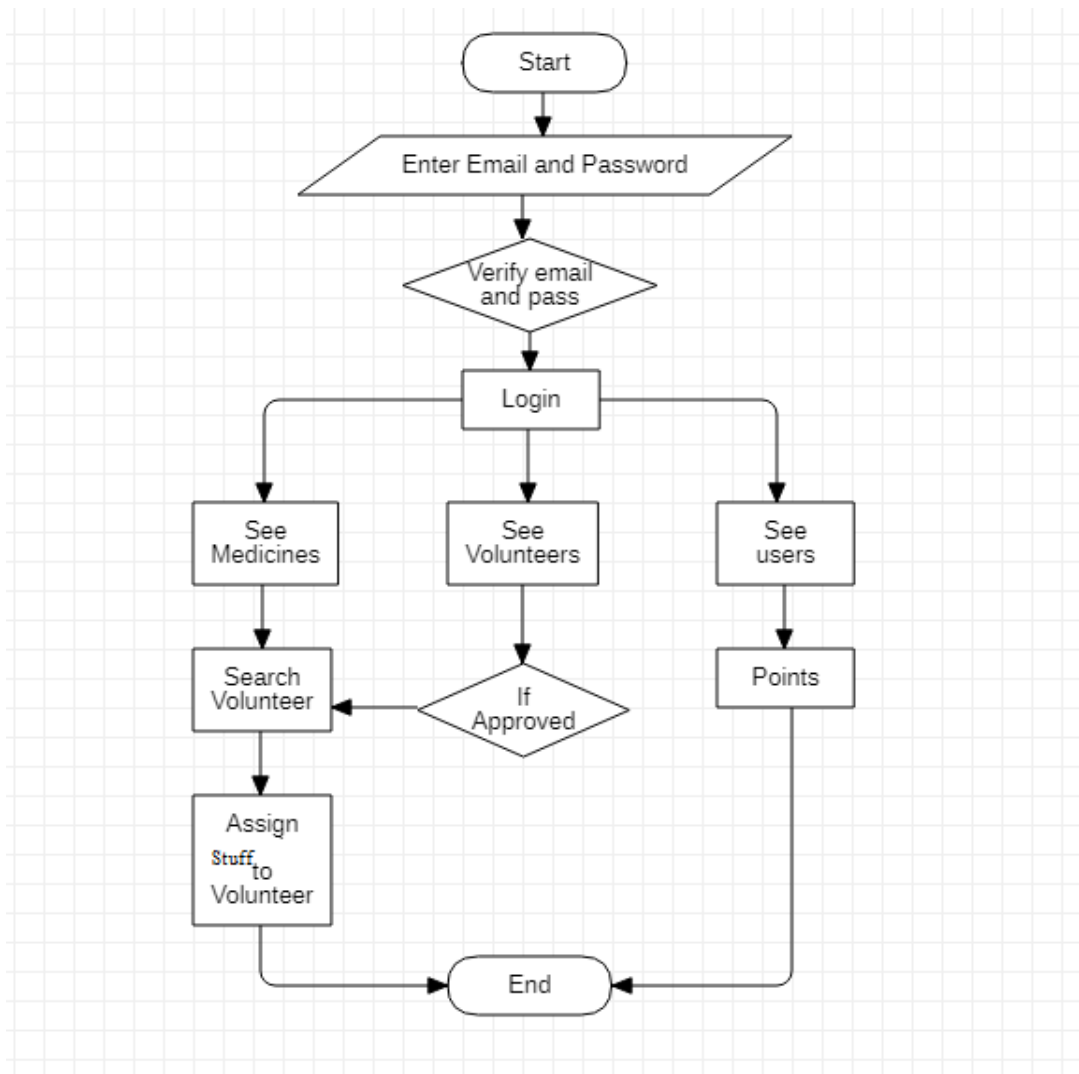


Fig 3.2 Admin module data flow diagram

A. All users: Admin can view all the users' details like user name, contact number Address, donation medicines, Medicine name, medicine Description.

B. All Volunteers: Admin can view the entire Volunteers' details, like name, email id, photo, address and contact. Without admin approval volunteer cannot enter in this system. Admin can select volunteer and assign stuff to us.

C. See Stuff: Admin can view all the medicines details and assign to respective Volunteers.

3.2 Module 2: User

The user who want to donate the things will first have to register himself on the web application and verify their phone number.

- After successful verification he can login to the website.
- Fill the necessary details of medicine and scan barcode and fill the information of stuff and click on donate button.
- User can see donated history and information about the volunteer who is going to arrive to pick the stuff.

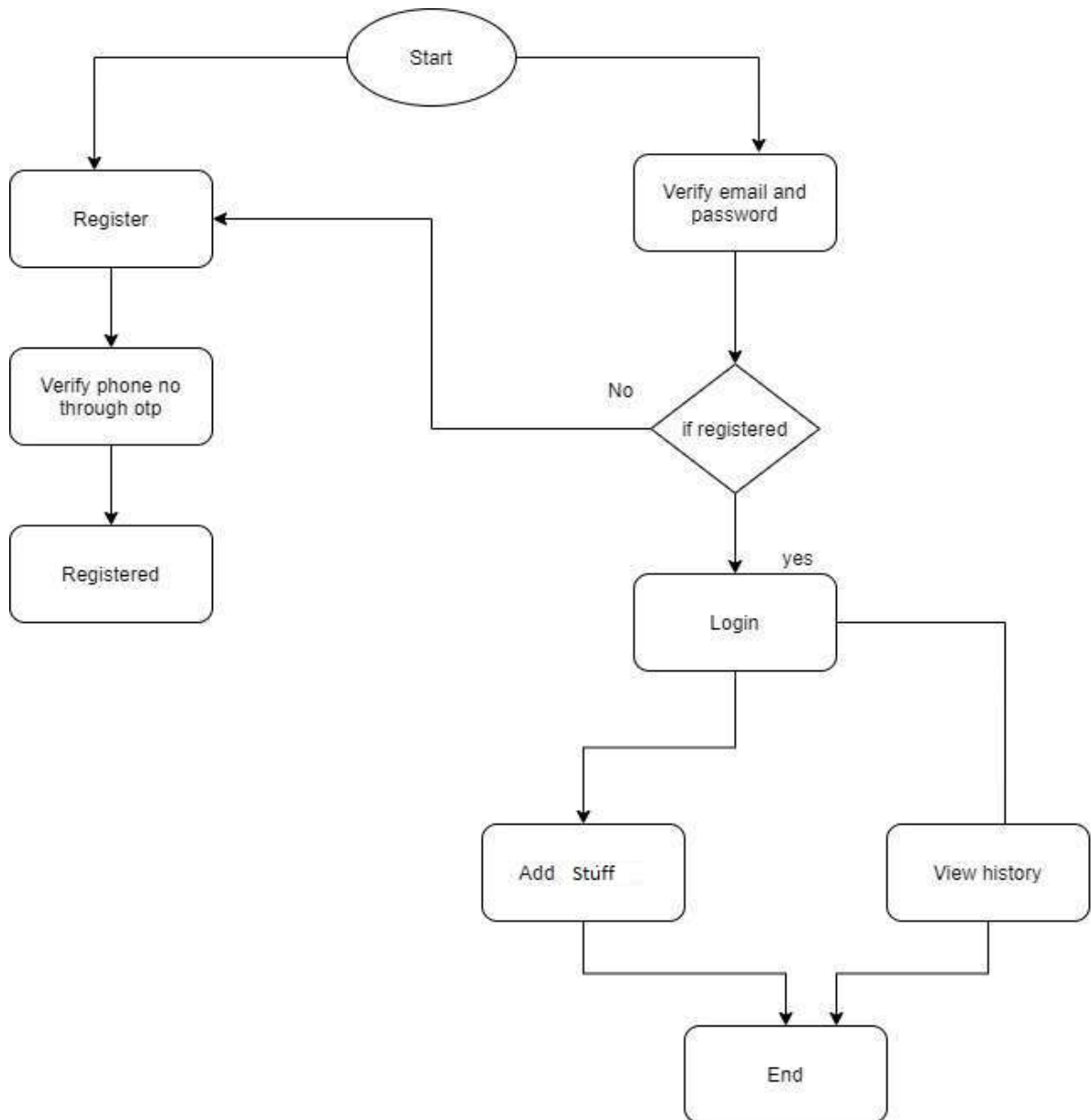


Fig 3.3 User module data flow diagram

3.3 Module 3: Volunteers

The user (donor) who accepts the request and donate the particular stuff will automatically send request to volunteer for pick. It will consist of medicine description sender address and delivery to (NGO’s address) he will receive the notification and as soon as he accepts it he will go for the pickup to users address and scan the medicine if it is right as per mentioned before he will accept the medicine and other household thing and deliver it to the NGO’s who had requested it.

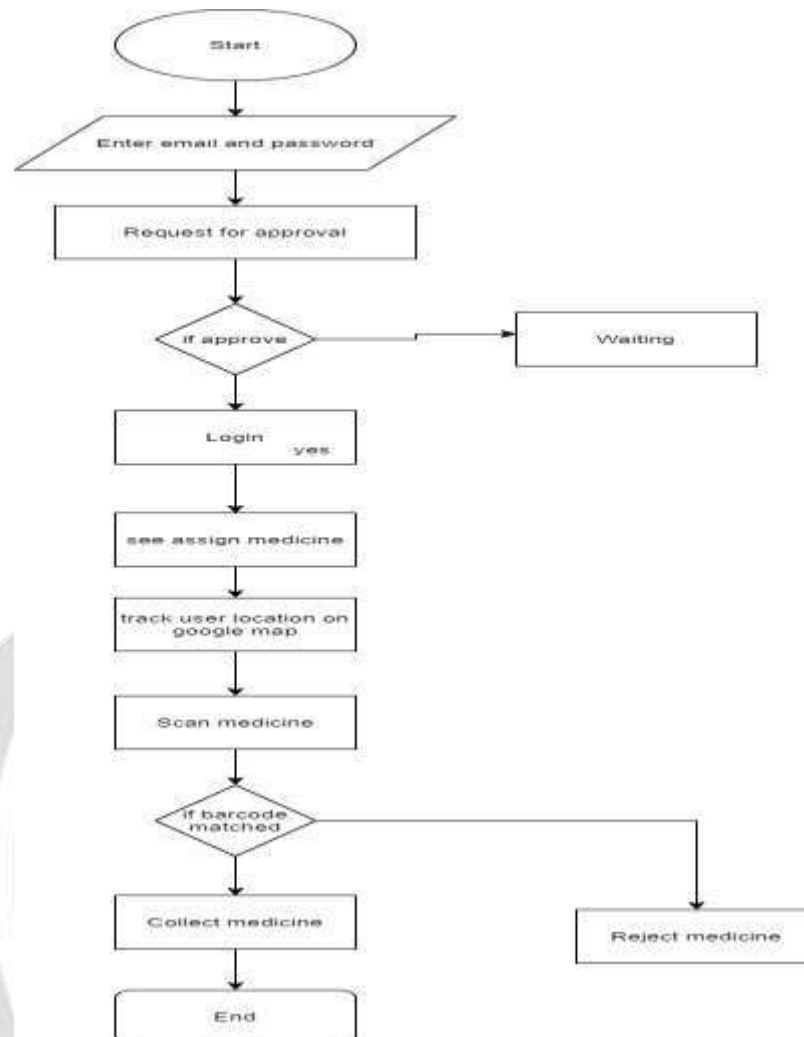


Fig 3.4 Volunteer module data flow diagram

4.SYSTEM DESCRIPTION

The system comprises of 3 entities with their modules as follows

➤ Admin

- Login: Admin can login using credentials.
- Manage Members: Admin analyses and deletes or blocks the member donating unwanted and drugs that pass their expiry dates.
- Manage Approvals: The appointments by NGO's are manage by approving appointment request.
- Reporting: The monthly report of the members who had donated medicine.

➤ NGO

- Login: Admin can login using credentials.
- Manage Members: Admin analyses and deletes or blocks the member donating unwanted and drugs that pass their expiry dates.
- Manage Approvals: The appointments by NGO's are manage by approving appointment request.

- User
 - Reporting: The monthly report of the members who had donated medicine.
 - Registration: Member can register and acquire credentials.
 - Login: With the help of credentials member can login.
 - Donate Medicine: Member can donate medicine by providing medicine details. And can schedule donating date
 - View Transactions: Member can see the previous transaction of medicine
 - Change Password: Member can change their password in case of security.

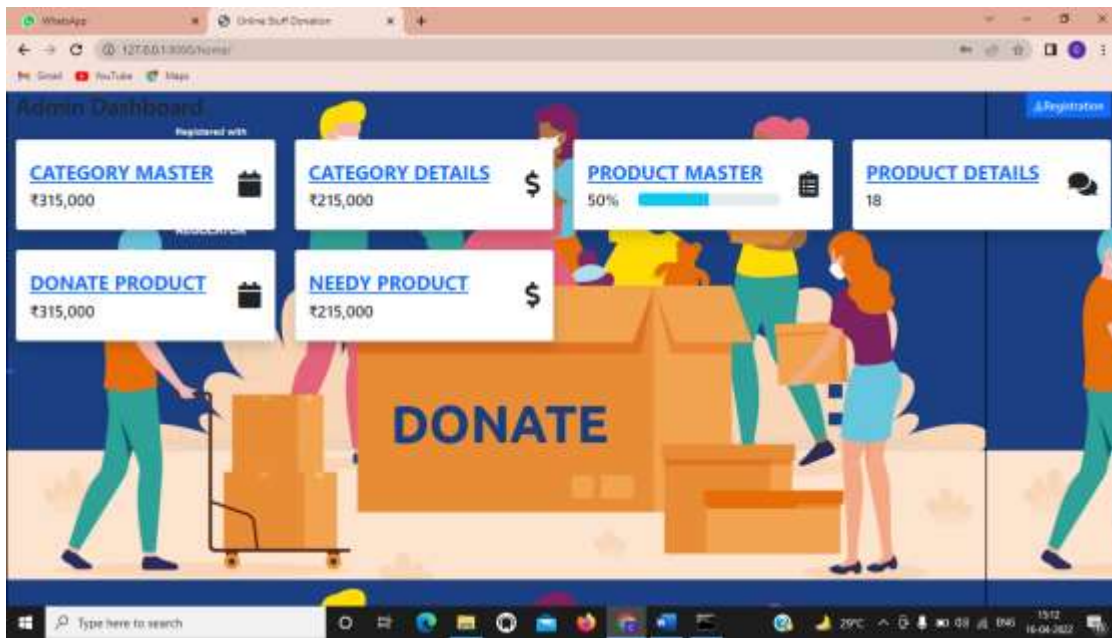


Fig 1.1 Admin GUI



Fig 1.2 Volunteer Registration Page



Fig 1.2 Employee Registrtion Form



Fig 1.3 User GUI

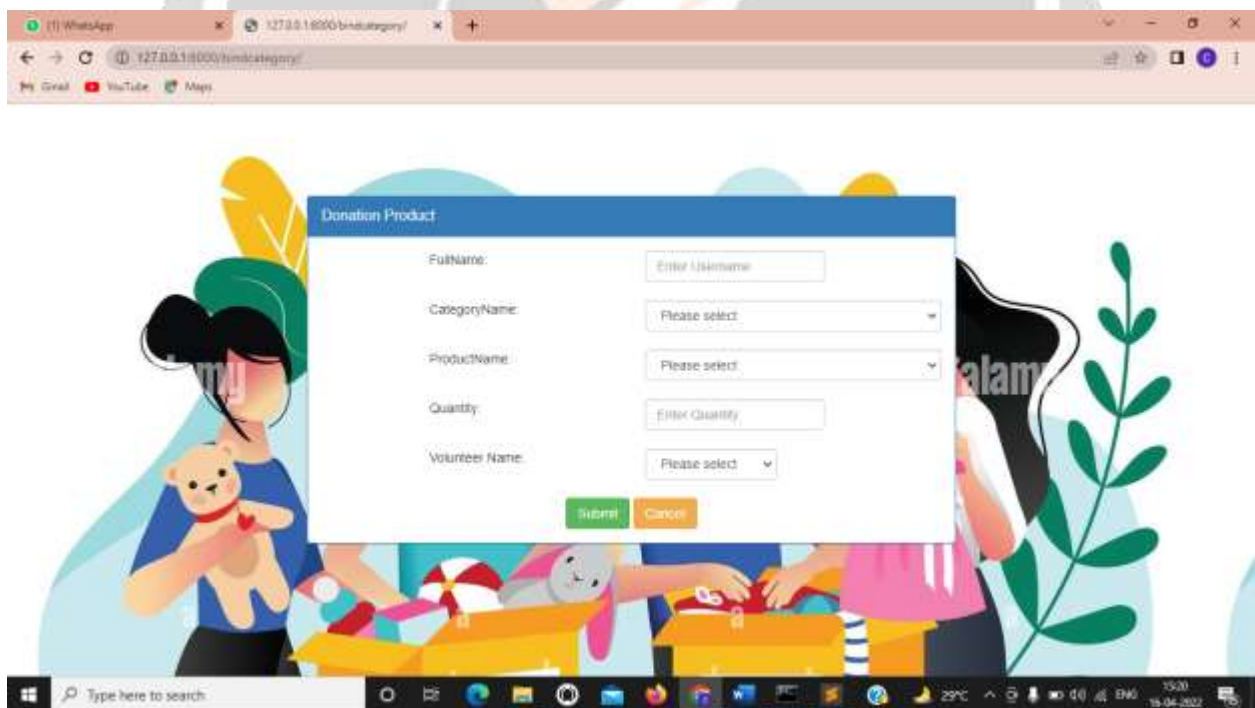


Fig 1.4 Donation Form



Fig 1.5 Thank You Notification

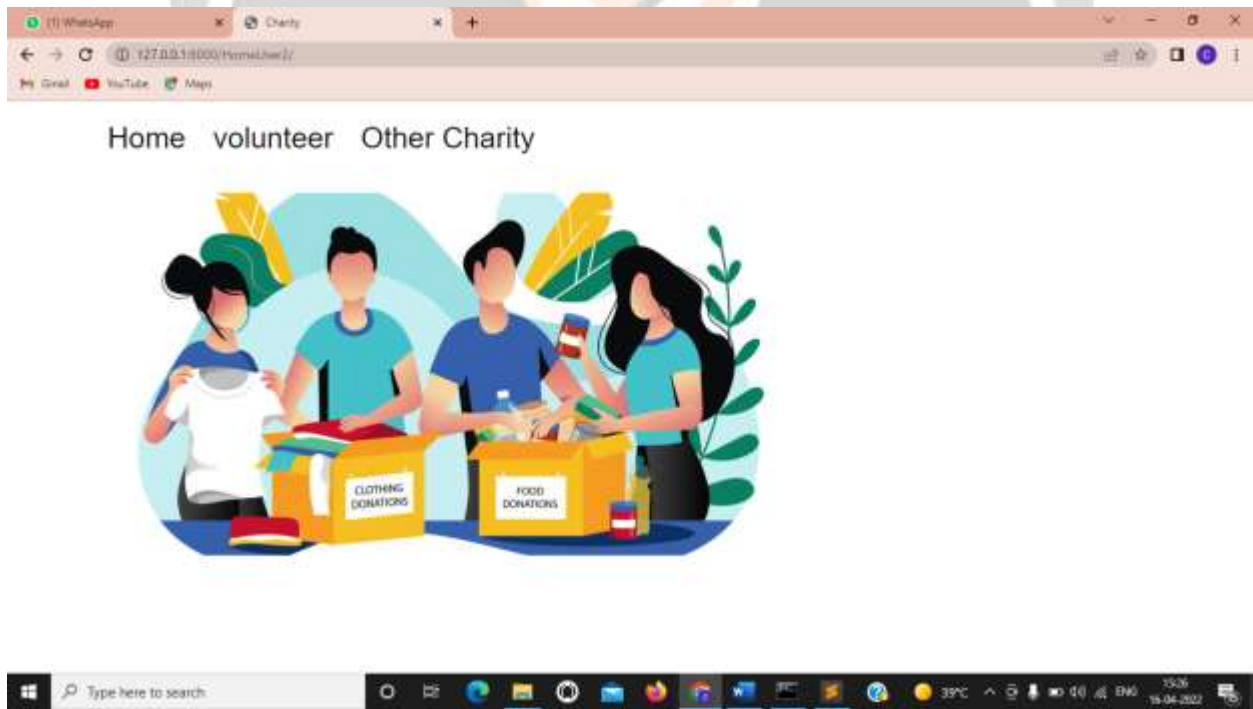


Fig 1.6 Volunteer GUI



Fig 1.7 List of Volunteer Form



Fig 1.8 List of Charity Trust Form

5. CONCLUSION

Modern era has begun. People both privileged or unprivileged, literate or illiterate are now conscious about their health and their necessity. It is a matter of sorrow that being conscious poor people cannot pay much attention to their health care routine and necessary essentials because of their low income.

NGO's and our website take great initiative by providing free treatment to needy people and their basic requirements. But most of the cases, they get the treatment not the expensive medicines. Therefore, this great initiative become valueless to them. This project gives a brief overview of the design and development of project, which will be very effective and will be a great contribution to get the health services for needy people.

Online giving is incredibly convenient. It negates the distance between donors, and charities, allowing the former to support causes they are passionate about regardless of where they may be situated. However, making an online donation is accompanied by payment security challenges. Online fundraising allows donors to give quickly, easily, and securely. Nonprofits are able to collect donations from across the country and around the world.

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