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## Online Medicine Donation Portal

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### ABSTRACT

*The aim and object of this project are to prepare an online portal for the collection of unused medicines so that they can be given to the people who are in need. What this project will do is, collect the unused medicines from the people who have completely recovered from the illness and do not require the medicines anymore. After the collection of these medicines, they would be handed over to the NGO's which would check the medicines and then if approved will be given to the people directly or to the hospitals who will be giving out these medicines for free. There must be a log in for the User, NGO, admin. Admin can see all details of user donated medicine.*

**Keywords:** Online Portal, Collection, Unused Medicine, NGOs and Donation

### 1. HEADING

India has made quick walks inside the wellbeing area since its autonomy. Regardless, different NFHS educational information plainly shows that admittance to medical care is as yet an issue. While country India's wellbeing measurements are as yet poor, the wellbeing status and admittance to wellbeing for the poor in metropolitan ghetto inhabitants have arisen similarly wretched and have however 4% of the administration essential medical care offices.

Medications are a fundamental component in lightening enduring, and gifts of clinical supplies will incredibly profit worldwide helpful aid projects. This medication gift application is about the assortment of medication that is unused by the patient who recuperates totally and remaining prescriptions becomes squander, those medication can be gathered and utilized further. This excess medication can be utilized by NGOs, Hospitals who are to be sure for those prescriptions. By the utilization of this entry, there will be less wastage of drugs.

A gift of medicine, when efficient and controlled, can save lives and facilitate the affliction. Compelling gift practices can give investment funds in spending plans to advancement

uphold so these administrations can be utilized for different purposes. The "ONLINE MEDICINE DONATION SYSTEM PORTAL" program fills in as an extension between a monstrous organization of drug gifts and NGOs, Orphanage, Old Age house. A NGO is a non-pay driven association independent of States and comprehensive authoritative associations. They are generally supported by favours, yet some totally maintain a strategic distance from formal subsidizing and are controlled by volunteers basically. Clients of cell phones have expanded quickly in the last a couple of years and tallying is still on it turns out to be exceptionally simple for clients to utilize the android application. As we understand there are numerous current gift destinations for restorative things, they are not up to the guidelines and require more manual information dealing with. We are growing new and impending responsive electronic advances to beat this issue. With this innovation, we can tackle all the previously mentioned issues and have an extremely easy to understand online interface.

### 2. EXISTING SYSTEMS

The existing systems proposed asked the donor to check the expiry date of the medicines and asked them to avoid the medicines if they are near to their expiry after checking. What the proposed system by us does is it takes care of checking the medicines expiry date, all you have to do is donate and the proposed system is a portal, unlike some medicine donation app they are android app. This can be run on any system without the need for you to download the app.

### 3. PROPOSED SYSTEM

The main aim of this "Online Medicine Donation Portal" is to provide assistance and the required medicines to the people in need for free as not all people have the financial backing to afford expensive medicines. Our portal is aimed at being available for users, with the latest features added at the moment. By having an easy navigation system for users, the portal will become friendly, which will also make the users comfortable for donating and receiving medicines from NGO's. The database and the structure of this portal will be reliable and coordinative.

Currently, we will be providing the services of login and registration to users and NGOs and the donation of medicines carried out in the moderation of admin. But, in the future, it can be expanded to provide treatment to the user via video consultancy with doctors providing prescription upload feature. It can very beneficial to the user because as per the current situation of covid19 it is very important to follow governments rule and regulations. The feature of video consultancy with a doctor is the best option for the future scope for the portal.

**4. SYSTEM ARCHITECTURE**

System architecture is the conceptual model that defines the structure, behavior, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system. This is the system architecture model that we will be focusing on. We will be executing all the modules in this architecture except the doctor module because we will be adding it soon.

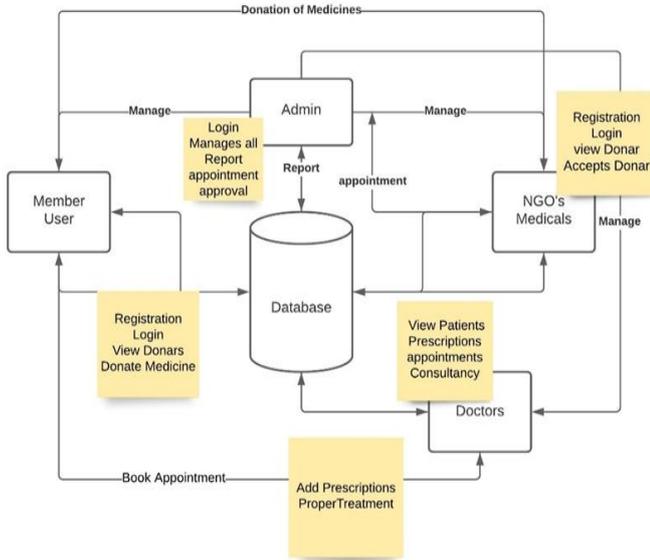


Fig. 1: System Architecture Diagram

**5. USE CASE DIAGRAM**

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved.

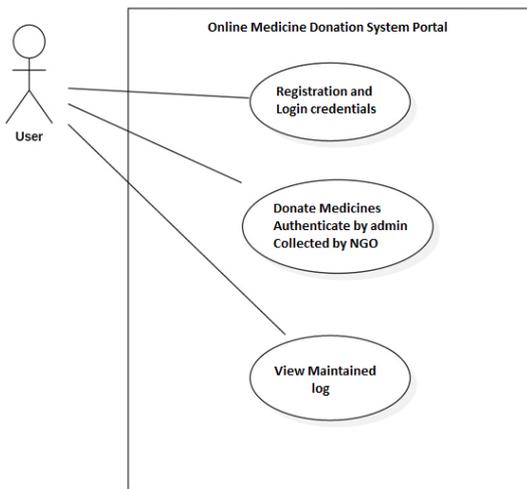


Fig. 2: Use Case Diagram for the Portal

**6. MODULE DESCRIPTION**

**6.1 Module 1: Admin site web-based application**

The administrator is the super user of this application. Only admin has access to 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 volunteers cannot log in. admin select volunteers and assign respective medicines.

- A. All Users (Manage).
- B. All NGO's (Manage).
- C. See all medicines.
- D. Authenticate Appointments.

**6.2 Module 2: User**

The user who wants to donate the medicine will first have to register themselves on the portal and verify their phone number.

- After successful verification he can log in to the portal.
- Fill in the necessary details of medicine and scan barcode and click on donate medicine.
- User can see donated history and information about the volunteer who is going to arrive to pick the medicine. The user will get the reward points as a perk for the donation of medicine from the NGO side.

**6.3 Module 3: NGO's / Medicals**

The user (donor) who accepts the request and donate the particular medicine will automatically send a request to NGO's volunteer for pickup. 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 deliver it to the NGO's who had requested it.

**7. USE CASE REALIZATION**

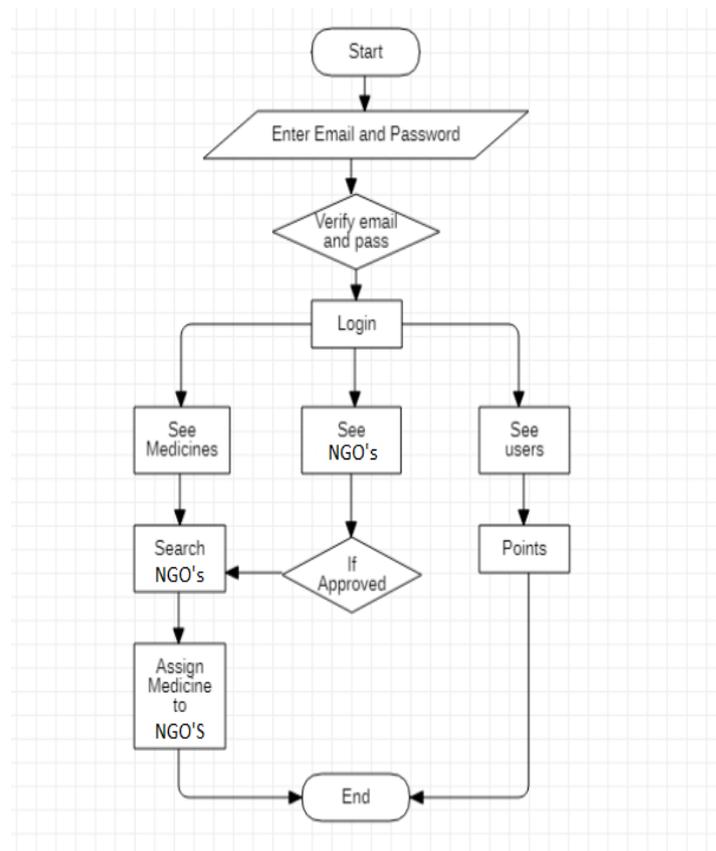


Fig. 3: Admin's Flow Chart

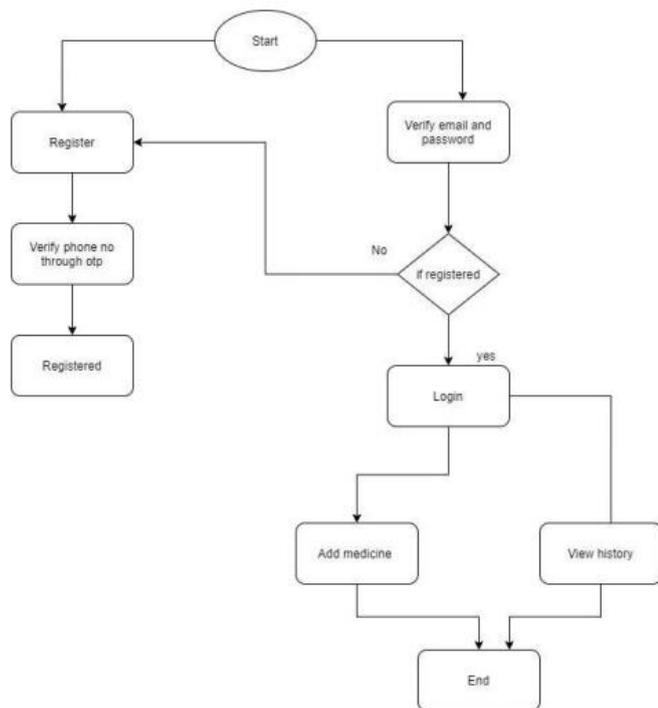


Fig. 4: User’s Flow Chart

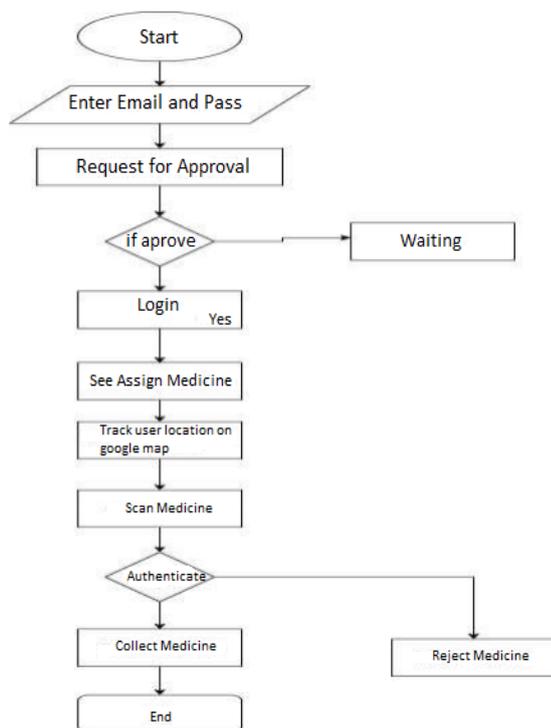


Fig. 5: NGO’s Flow Diagram

**8. CONCLUSION**

Present day period has started. Individuals both, privileged or unprivileged, proficient or ignorant are now conscious about their health. It is sad that even though needy individuals are in distress they can’t give a lot of consideration to their medical

services routine in light of the fact that of their low pay. NGOs show incredible drive by giving free treatment to the people who cannot afford expensive medicines. Yet, in most of the cases, they get the treatment but not the costly prescribed medicines. So in the bigger picture, this incredible act of giving free treatment to the people becomes useless as they would need to buy the costly prescribed medicines by themselves. This paper gives a brief outline of the plan and improvement of our proposed online portal, which will be extremely successful and will bear incredible commitment to get the wellbeing administrations for these needy people. Because of this portal we hope that even the wastage of medication will be diminished.

**9. FUTURE SCOPE**

This project or this online medicine donation portal in the future has the ability to become a full fledge application wherein all the facilities will be provided on this portal. In future, it can be expanded to provide treatment to user via video consultancy with doctors providing prescription upload feature. It can very beneficial to user because as per the current situation of covid19 it is very important to follow governments rule and regulations. The feature of video consultancy with doctor is very best option of future scope for the portal. For better suggestions, we are merging all the medication facility like consultation, medicine donation, blood donation, etc. like facilities are part of the portal in future. So, in future, it can also become a commercial portal and app which will be unique in its nature and availability.

**10. ACKNOWLEDGEMENT**

The authors can acknowledge any person/authorities in this section. This is not mandatory.

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