A First Project Final Report on

UNUSED MEDICINE DONATION

Submitted in Partial Fulfillment of the Requirements for

the Degree of **Bachelor of Engineering in Software Engineering**

under Pokhara University

Submitted by:
Sandip Nepali, 191724
Apsara B.k,191704
Rudra.N.Pandey, 191720

Under the supervision of
Roshan Chitrakar

Date:
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Department of Software Engineering
NEPAL COLLEGE OF INFORMATION TECHNOLOGY

Balkumari, Lalitpur, Nepal

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ABSTRACT

The aim and object of this project is 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 Social Organizations (RED CROSS,SCOUT) which would check the medicines and then if approved will be given to the people directly or to some hospitals who will be giving out these medicines for free. There must be a log in for the User, Social Organization, admin. Admin can see all details of user donated medicine. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The data is well protected for personal use and makes the data processing very fast.

Keywords: Online Portal, Unused Medicine, Social Organizations and Donation

1.Introduction

Medications are a fundamental component in lightning,enduring and gifts of clinical supplies will incredibly profit worldwide helpful aid projects.

Modern era has begun. People both privileged or unprivileged, literate or illiterate are now conscious about their health.It is a matter of sorrow that being conscious poor people cannot pay much attention to their health care routine because of their low income. A donation of medication, when well organized and controlled, can solve the above-mentioned problems and have a very user-friendly website that saves lives and ease suffering.

Effective donation practices can provide savings in budgets for development support, so that these services can be used for other purposes.The "Online Unused Medicine Donation System" serves as a bridge between an immense network of medication donations and Social Organizations (RED CROSS,SCOUT) ,Orphanage,OldAge house.

 A Social Organization is a non-income-driven organization autonomous of a country. They are usually sponsored by blessings, yet some completely avoid formal funding and are run by volunteers in essence. Users of smartphones have increased rapidly in the last one or two years and counting is still on. It has become very easy for users to use smartphones . As we realize there are many current donation sites for medicinal items, they are not up to the standards and require more manual data handling. We are developing new and upcoming image processing technologies to overcome this problem.

"Online Unused Medicine Donation System"is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to the people.

1.1 PROBLEM STATEMENT

- To meet the increasing demand for improvements in the healthcare facilities & services we can utilize the power of internet technology & its wide network, by which people can help each other with just one click from their phone.
- The Medicine Donation system proposed here aims at providing an online platform for donating medicines or unused medicines to needy people. Users can register themselves on this system by submitting their necessary details. Once registered the users can donate the medicines by providing accurate medicine details to Social organizations.
- The system has the authority to block the users if they raise a request to donate expired medicines. The system will maintain a record of donated & available medicines. The users can raise a request to donate the medicines.

1.2.OBJECTIVE

General Objective of the project are :

The main aim of this "Unused Medicine Donation" 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.

Specific objectives:

I.To develop and development of website,which will be very effective and will bear great contribution to get the health services for these needy people,

II. Wastage of medicine gets reduce,

III.To develop and implement a credible and user-friendly system,

IV.Besides this,with the help of web-based tools,social organizations can be directly connected to the outer sources

v)Keeping information about various diseases and medicines available to cure them.

1.3.Significance of the study

The significance of the projects is to prepare a user-friendly website for the collection of the unused medicine for further utilization by needy persons. The website must be like a user can donate the unused medicine to civil society organizations.

- It offers an operational integration between an immense network of medication donations and Social Organizations (RED CROSS,SCOUT) ,Orphanage,OldAge house.
- Many poor people who do not afford to buy their own medicines,with help of this website people can get the treatment and medicines to cure the respective diseases.
- It has a facility to generate reports for analyzing how many unused medicines will be utilized.

2.SCOPE AND LIMITATIONS

The scope of this project is to provide all the information about the unused medicine in a single website.

- Give information about unused unexpired medicine. i.e. their Brand Name, Generic Name, Expiry Date.
- It is dynamic and user friendly.
- The authorized Social Organizations can register and retrieve unused medicines.

Although our projects seem to answer above scope but it has certain limitations.

The limitations Unused Medicine Donation system is

- ❖ Wrong inputs will affect the project outputs.
- ❖ Internet Connection is mandatory.
- ❖ It won't support languages like Spanish, Japanese etc.

3.Literature Study

Large-scale unused medicine initiatives are not immediately possible in resource-constrained countries like Nepal due to a multitude of factors such as lack of public awareness, monetary and regulatory reasons. So, this study aimed for the feasibility of the implementation of reuse of unused medicine concept in select Nepalese communities to make policymakers aware about its necessity and significance and focus on operational research (i.e., policy-based) in the future. Exploration of various constraints for the successful implementation of the concept was the primary perceived outcome of the present study. Sensitization of the concerned authorities to devise policies and initiate crucial steps to address the issue of haphazard medicine disposal in the local levels were the secondary outcomes. The Guidelines objective to improve the quality of donations of medication in world-wide development assistance and emergency aid. As Good remedies donation preparation is of interest to both donors and recipients.
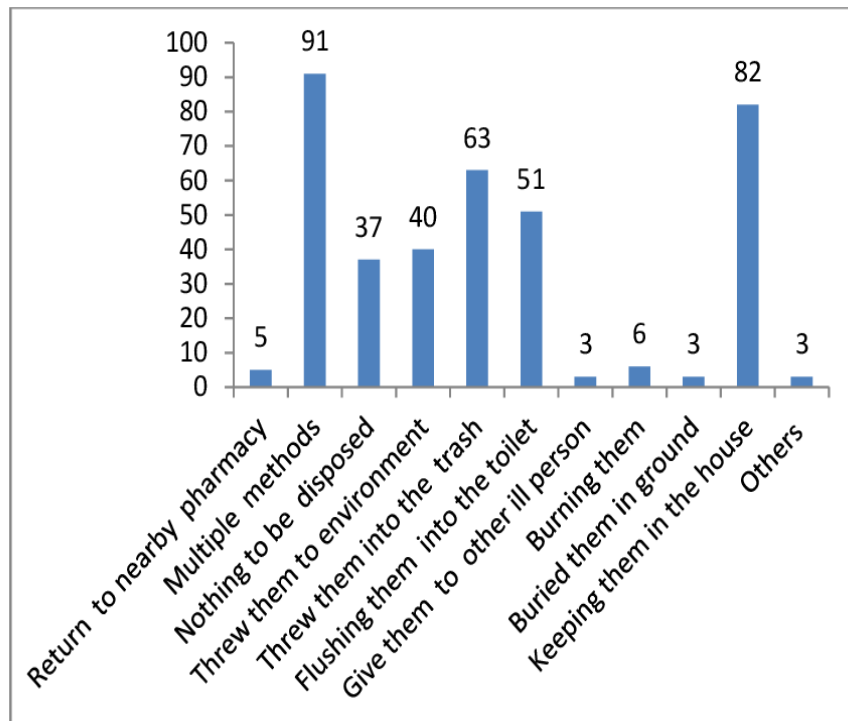
Fig. 1 Respondents Unused medicines disposing practice, N=384

4.System Specifications

To be used efficiently, all computer software needs certain hardware components or the other software resources to be present on a computer.

HARDWARE REQUIREMENTS FOR PRESENT PROJECT:

PROCESSOR   :   Intel dual Core ,i3

RAM   :   1 GB

HARD DISK   :   80 GB

SOFTWARE REQUIREMENTS FOR PRESENT PROJECT:

OPERATING SYSTEM   :   Windows 7/ XP/8

FRONT END   :   Html,css,java script.

SERVER SIDE SCRIPT   :   Php

DATABASE   :   Mysql

5.METHODOLOGY

For the development of this project we have divided it into various phases. Different stages of project development along with the planned methodologies are described below:

5.1. Software Development System

For this project, we have used the Incremental Model of Software Process Model. New functionalities are added as the increment develops. This model combines a linear sequential model with the iterative prototype model. The first increment is a "core product". The plan addresses the modification of the core product to meet the needs of the customer and the delivery of additional features and functionality.

The process is repeated following the delivery of each increment, until the complete product is produced.
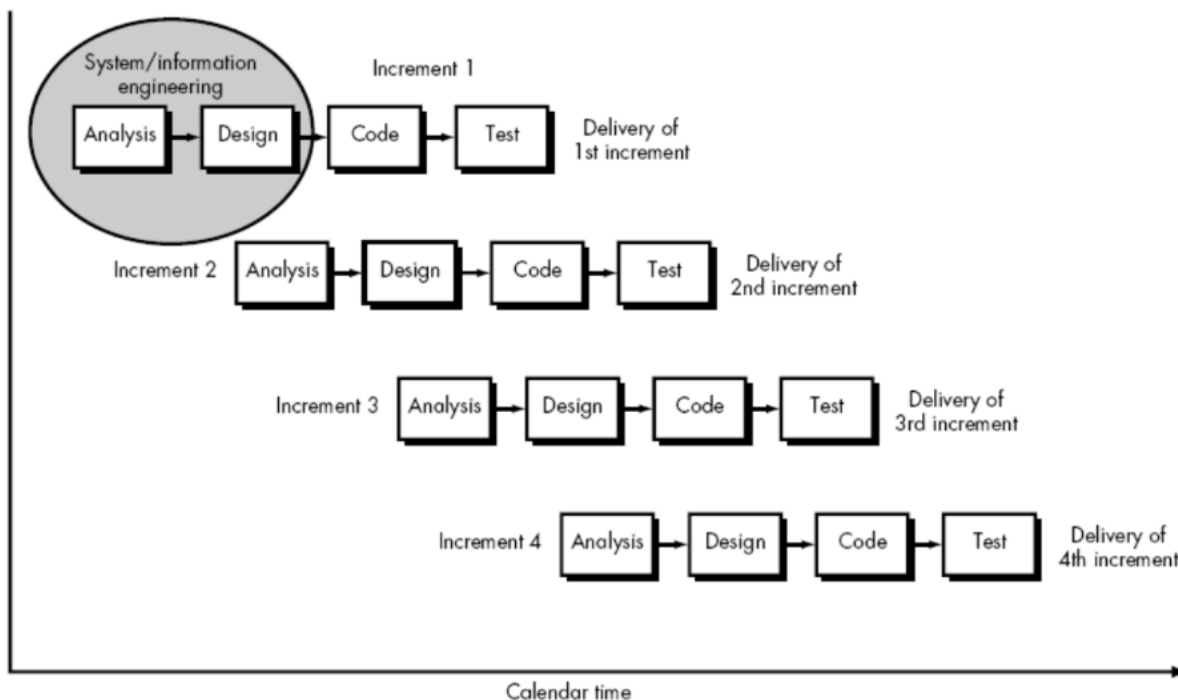

Fig.1: Incremental Model

Incremental model includes the following phases:

➢ **Analytic Phase**- In this phase, the requirements of the software was analyzed which resulted in "Software Requirement Specifications".

➢ **Design Phase**- In this phase, analysis of the SRS was translated into the system's design. Context Diagram, Use-Case Diagram, ER Diagram and Class Diagram were developed.

➢ **Coding Phase**-This phase involves the coding as per the design and formation of a working system at the end of the process.

➢ **Testing Phase**- In this phase, the system was tested. With each testing, certain changes were made as per the suggestion. This was done in an incremental manner until a satisfactory system was made.

These phases will be run repeatedly in iteration with progressive changes.

SYSTEM DESIGN:

UML Design

The Unified Modeling Language (UML) is a standard language for specifying, visualizing, constructing, and documenting the software system and its components.
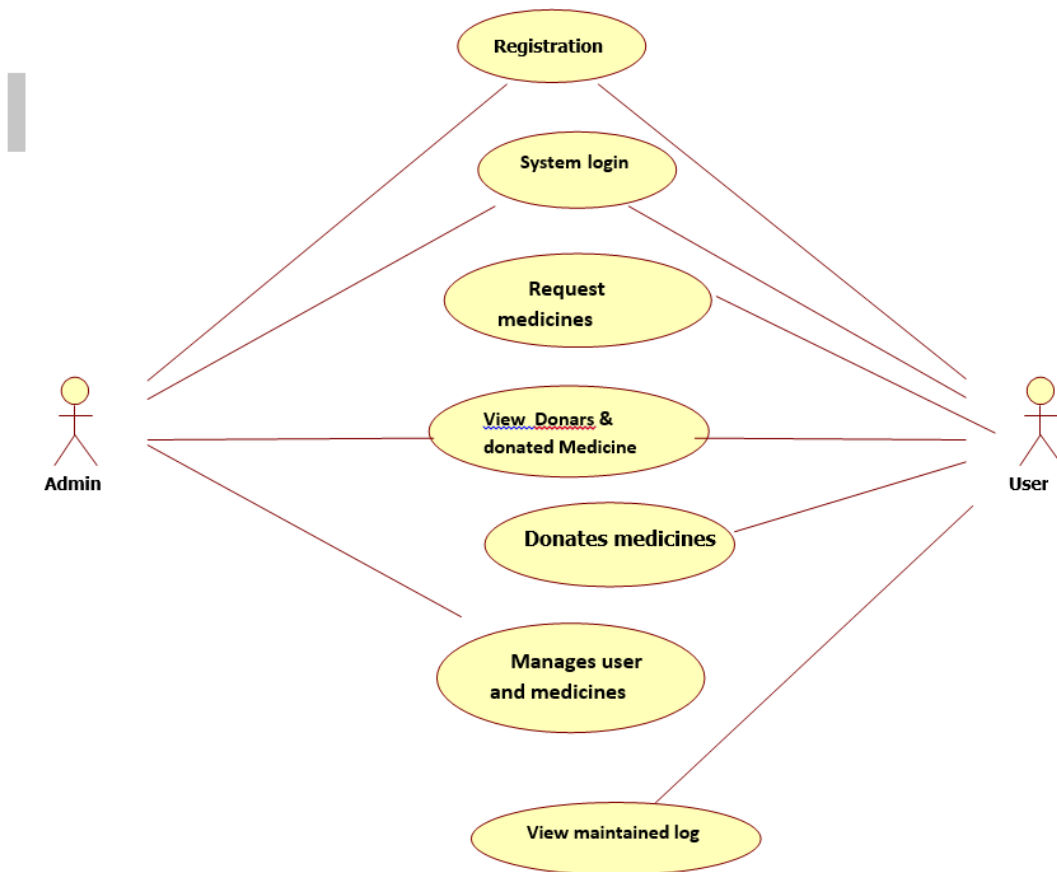
Use case diagram of our project:

Fig: UML diagram of Unused Medicine Donation

DFD diagram

A data flow diagram shows the way information flows through the system.
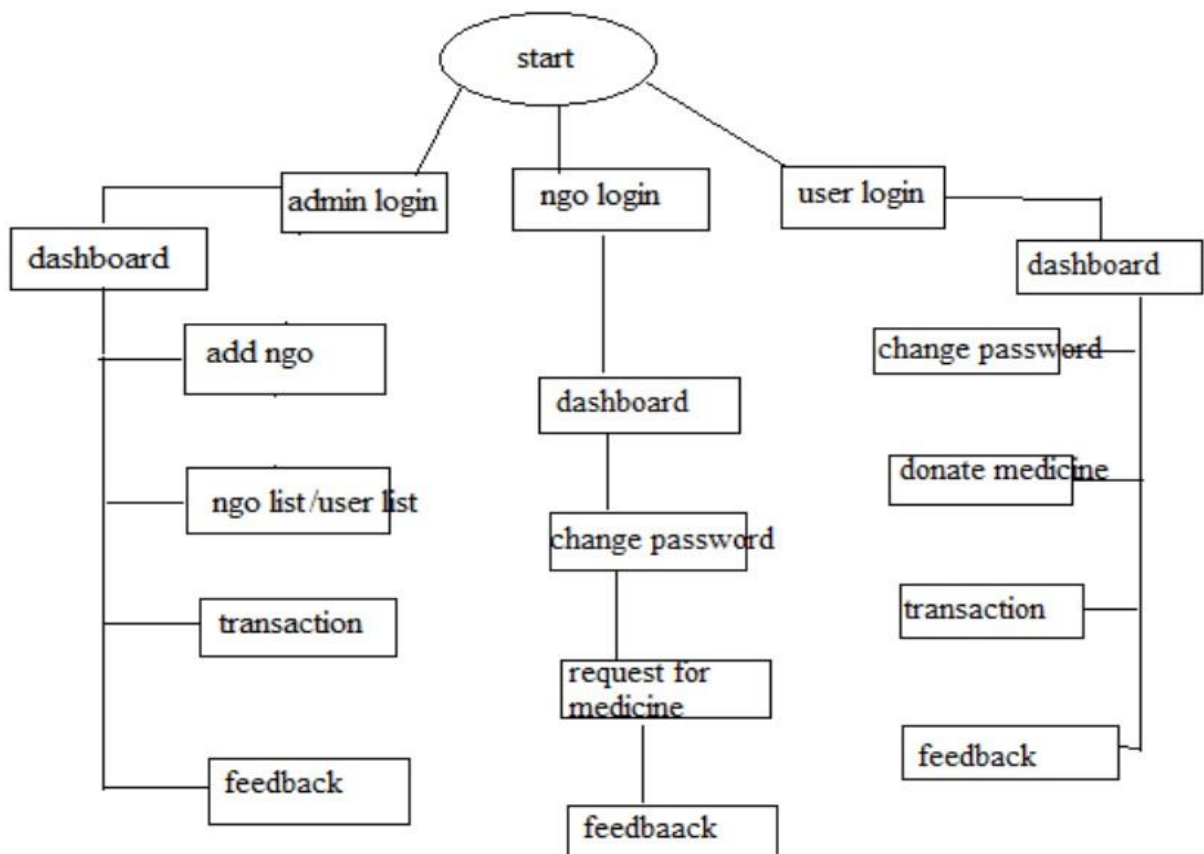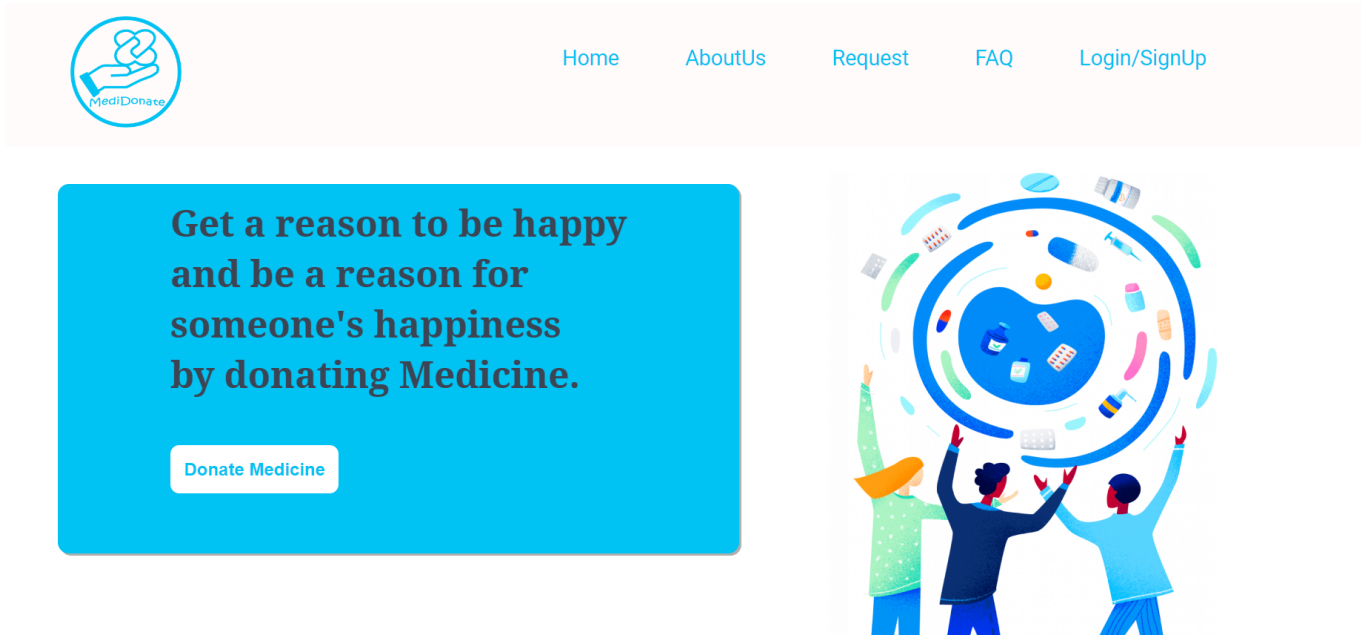
DFD diagram of our project:

Fig : DFD diagram of Unused Medicine Donation

SAMPLE SCREENSHOTS

Home page:

Login page:

DASHBOARD

5	**5**	**5**	**5**
Medicine1	Medicine2	Medicine3	Medicine4

ADMIN PANEL:

Manage Medicine

Add Medicine

S.N	Brand_Name	Generic Name	Image	Expiry Date	Active	Actions
1	ORS			1970-01-01	Yes	Update Medicine Delete Medicine
2	Azythromycine			2022-11-13	Yes	Update Medicine Delete Medicine

Manage Request

Send Response

S.N	Full Name	Email Id	Address	Mobile No	Brand Name	Generic Name	Medicine Type	Actions
1	Sandip	sandeep@gmail.com	Gorkha	9816173263	Metazole	Paracetamole	tablet	
2	Apsara	ram@gmail.com	Mustang	8723747347	Metazole	Paracetamole	tablet	
3							tablet	
4	Bishal	bishal@gmail.com	Pokhara	9283843434	Para-1	something	liquid	

Register now

enter your name

enter your email

enter your password

confirm your name

user

Register Now

already have an account? login now

Login now

enter your email

enter your password

Register Now

don't? have an account? register now

Hello

Welocome User Npl

Help to save a life: Donate Medicine

Donate   My Donation List   Logout

6.CONCLUSION

The proposed unused medicine donation collects unused medicines so that they can be given to the people who are in need.This report provides a brief overview of the design and development of the Website , which will be very effective and will bear great contribution to get the health services for these needy or login come people. Due to this Website even wastage of remedies gets reduced.

But, many new features and enhancement can be added into the system as per user requirements. Some of these include developing system by adding features like Online doctor appointment ,Blood donation etc. So, in future, it can also become a commercial portal and app which will be unique in its nature and availability.

7. BIBLIOGRAPHY

We have obtained information from many resources to design and implement our project successively.We have acquired most of the knowledge from related websites.The following are some of the resources:

- ➔ Research Square: https://doi.org/10.21203/rs.3.rs-68526/v1
- ➔ JETIR : https://www.jetir.org/view?paper=JETIR2105580
- ➔ International Journal Of Advance Research,Ideas And Innovations In Technology :https://www.ijariit.com/