

Software Design Document

(SDD)

For

Child Care NGO Management System



Department of Computer Science Engineering
Jodhpur Institute of Engineering and Technology
Session 2022-23

Submitted To:

Mr. Santosh Gupta

Submitted By:

Pari Kashyap
CSE 3rd Year

Table of Contents

INTRODUCTION	3
ABSTRACT	4
PURPOSE.....	4
ADVANTAGES	4
FEASIBILITY STUDY	5
FUNCTIONAL BLOCK DIAGRAM	6
DATA DESCRIPTION	6
DATA FLOW DIAGRAM.....	6
USE CASE DIAGRAM	7
SEQUENCE DIAGRAM	7
ACTIVITY DIAGRAM.....	8
FLOW CHART	8
ENTITY RELATIONSHIP DIAGRAM (ERD)	9
BASIC MODULE	9
Admin / Manager.....	9
Donor / Volunteer.....	9
SCHEMA DESIGN	10
For User: -	10
For Admin: -	10
SCOPE	10
FUTURE WORK	11
CONCLUSION	12
REFERENCES.....	13

INTRODUCTION

NGO is a Non-Government Organization which works for the betterment and upliftment of the socioeconomically and politically weaker sections of community to bring them in the main stream of society towards more improved and developed way of living and existence.

General Benefits:

- Donor's information can be accessed directly by admin as it will be stored in a database.
- Volunteering can range from various methods. This can be helping the less fortunate with their education, participating in relief and rehabilitation activities, helping out in medical missions, and many more. Through these activities, people will experience taking part in something which will improve society. This, regardless of the monetary amount people receive provides an immense amount of self-fulfillment and personal growth which will be difficult to find elsewhere.

ABSTRACT

NGO Management System is designed to keep track of their expenditures, employees, organizers and volunteers. NGOs can use this system to view the list of donations received. The organization can also add their expenditures and view the history of all their transactions. The major objective of this project website is to ensure welfare and provide aid to poverty and disease struck poor children.

PURPOSE

The purpose of the document is to provide detailed design specifications for the NGO Management System. In this system, the admin adds the NGO and can monitor their donation and expenditure history. The Ngo can keep a track of their expenditures and donations received. User can also get insights over where their donations are being used. With excellent finance management, NGOs enhance their image that enhances its value and making them more credible. By framing well defined financial plans and policies NGOs also earn good reputation within its community. They can also improve their current position and look forward to gain trust, faith and reliability.

ADVANTAGES

- The Ngo can keep a track of their expenditures and donations received.
- User can also get insights over where their donations are being used.
- A major advantage of NGOs is welfare work in relation to poverty and disease or in respect to social groups such as the elderly or children.

FEASIBILITY STUDY

Technical Feasibility: NMS requires a web server for its functioning which can be easily arranged for. NMS would generate the outputs at desired time. NMS can process data of large number of students at a fair speed. TMS is smoothly connected to email system and can send request to email system via server to send messages to executives. Thus, the TMS is technically feasible to a large extent.

Economic Feasibility: The benefits that we receive from NMS include reduction in human labor.

Operational Feasibility: NMS is very easy to operate and user-friendly website which don't require any special skillset. It just requires to create ID and enter the details of appointment to schedule on request, for which a simple form is to be filled. Thus, NMS has great operational feasibility.

SOFTWARE REQUIREMENTS

The software specifications for the system are listed below:

FRONT END: HTML5, CSS3, JavaScript

BACK END: SQL Server

LANGUAGE: PHP

OPERATING SYSTEM: Windows 10

HARDWARE REQUIREMENTS

PROCESSOR: Intel core or Above

RAM: minimum 2GB RAM

HDD: 1TB

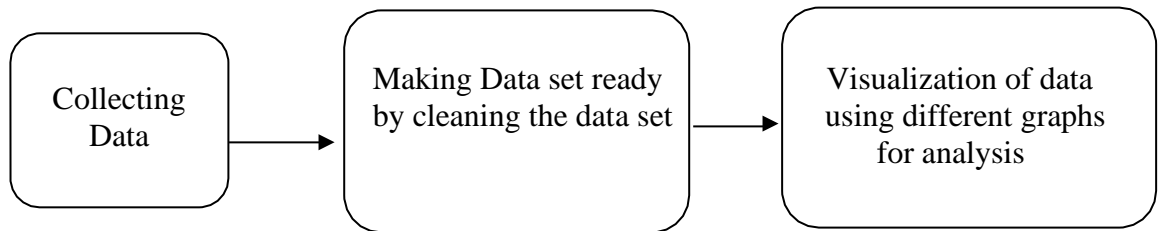
HARDISK: 8GB

MONITOR: LCD COLOR

KEY BOARD: 101 KEYBOARD

MOUSE: USB/PS2

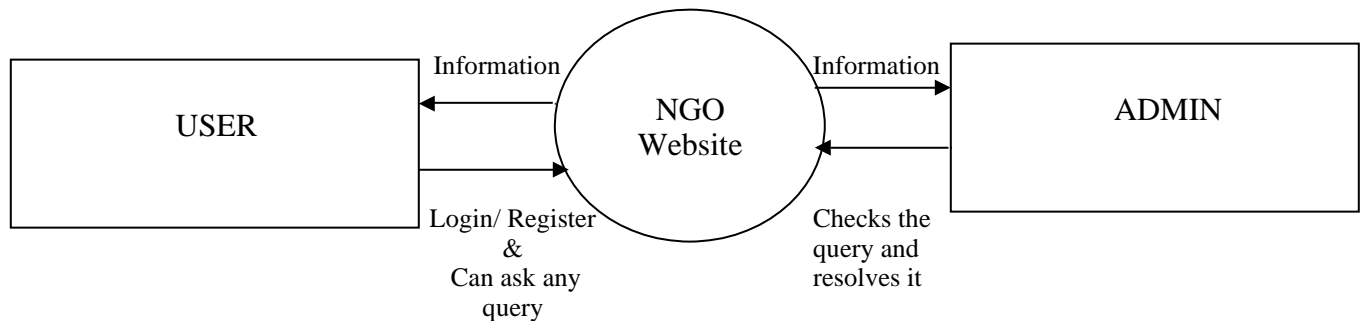
FUNCTIONAL BLOCK DIAGRAM



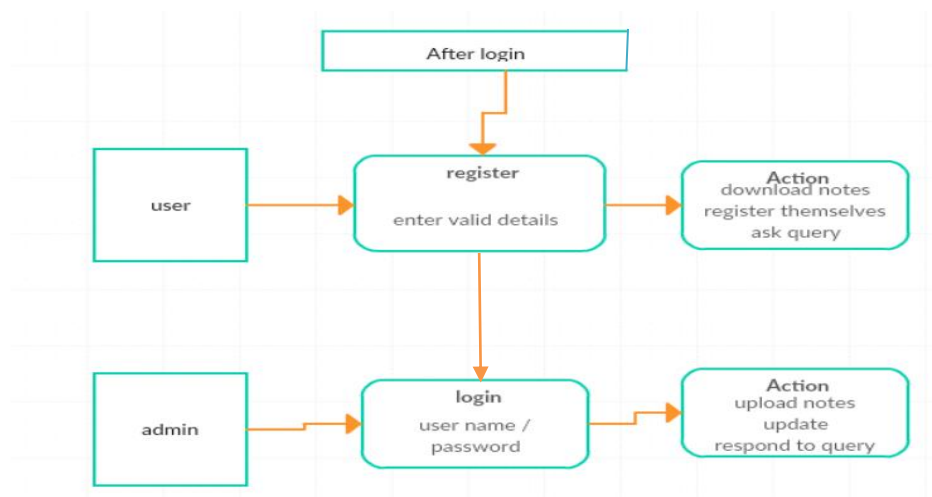
DATA DESCRIPTION

DATA FLOW DIAGRAM

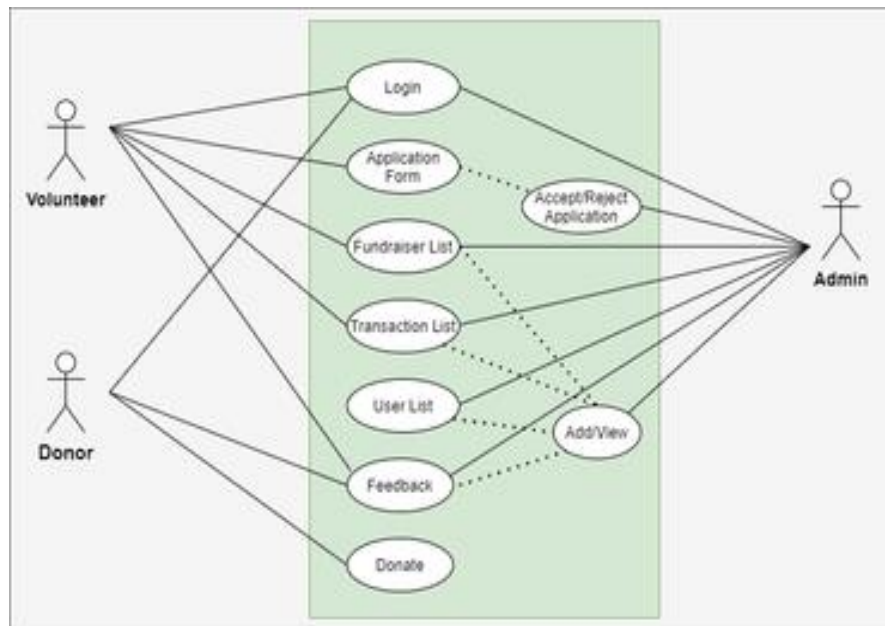
➤ Level DFD:



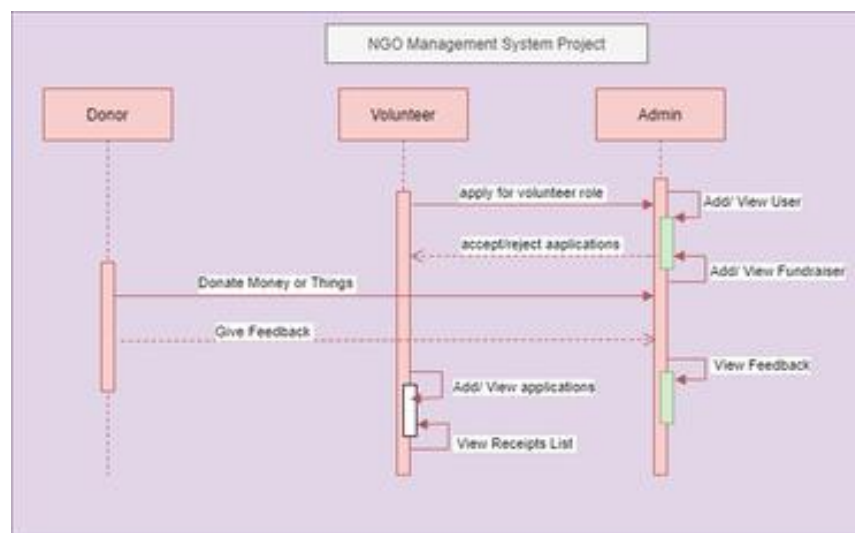
➤ Level DFD:



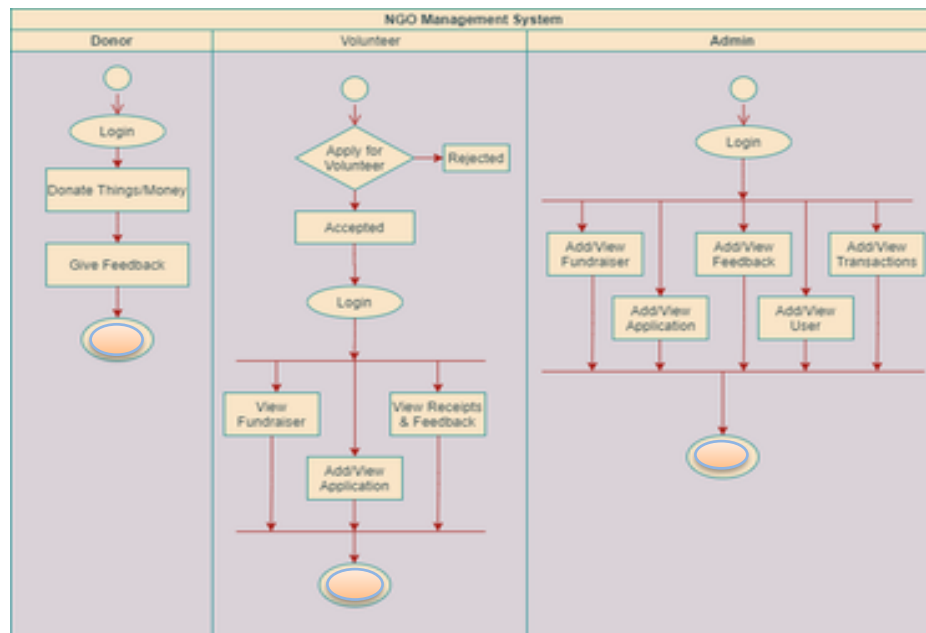
USE CASE DIAGRAM



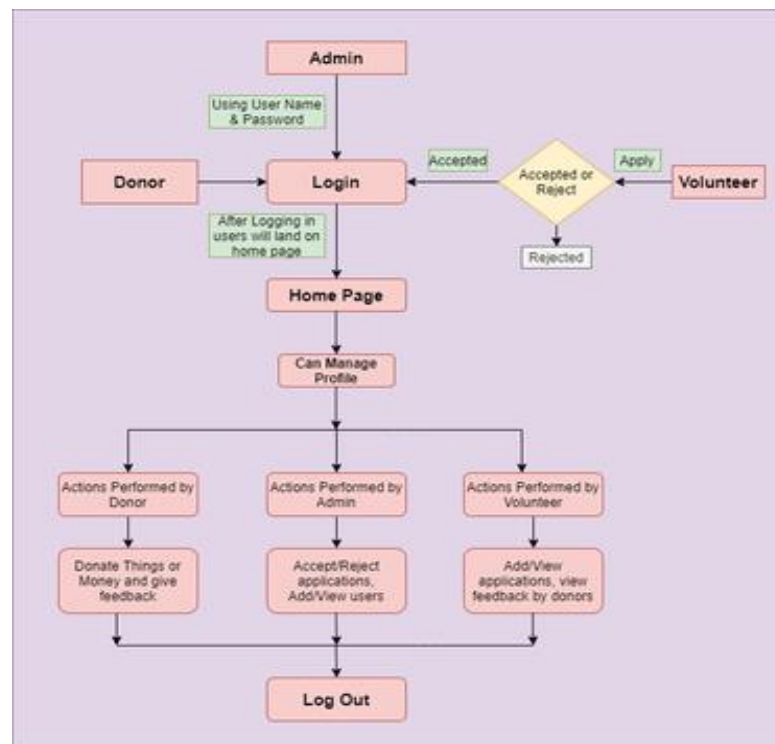
SEQUENCE DIAGRAM



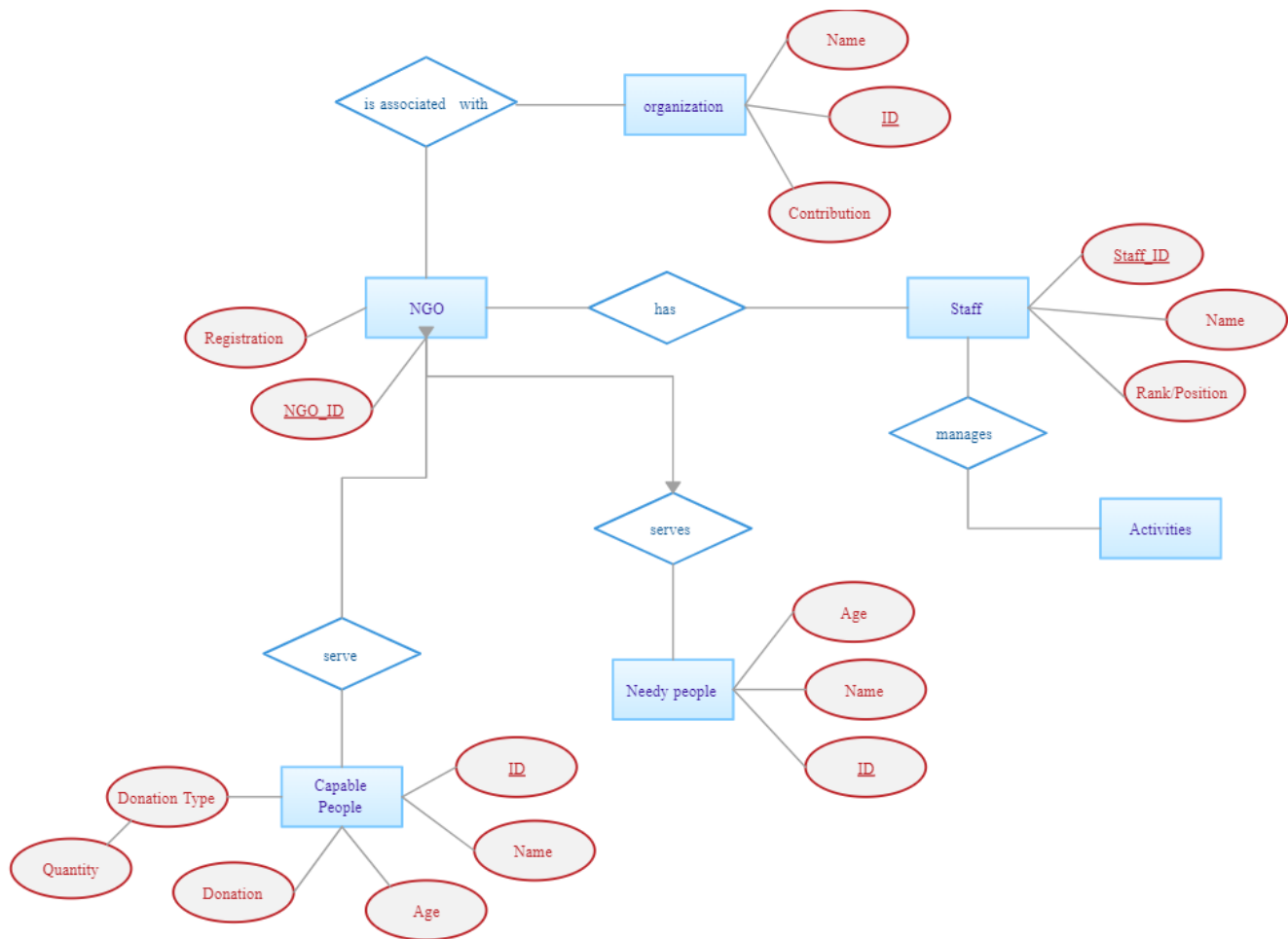
ACTIVITY DIAGRAM



FLOW CHART



ENTITY RELATIONSHIP DIAGRAM (ERD)



BASIC MODULE

Admin / Manager

The person responsible for running the NGO. There might be more than one Admin / manager managing the NGO. Each manager would be having his own account. They can all easily create an account and then login and access all the functionalities available to the Manager.

Donor / Volunteer

A person can register as a donor on the web portal. The NGO has the donor information stored in a database. When a donor updates his information on the web portal the changes are made in the database and the changes saved.

SCHEMA DESIGN

For User: -

Sr No	Name	Data Type	Constraints
1	Name	Varchar (20)	Primary Key
2	Mobile number	Varchar (10)	Not Null
3	Address	Varchar (60)	Not Null
4	Email Id	Varchar (20)	Not Null
5.	Birthdate	Varchar (20)	Not Null
6.	Gender	Varchar (6)	Not Null

For Admin: -

Sr No	Name	Data Type	Constraints
1	Id	Varchar (20)	Primary Key
2	Name	Varchar (20)	Not Null
3	Mobile number	Varchar (10)	Not Null

SCOPE

- The NMS is designed to provide NGO a system to help poor students.
- It allows the helpers to register poor students who approach them for help and maintain track record of their performance.
- Donors can register and can enter the amount they intend to donate.
- The Software is user-friendly and easy touse.
- The system can be developed in such a way that its existing features can be modified to better versions.

FUTURE WORK

- **Connected Giving Platforms**-One of the keys for non-profit websites is the idea of "connected giving" platforms. I see too many websites where the donation experience is transactional and entirely different from the rest of the website. The donation platform must work to connect the mission of the organization with the donation taking place.
- **Website journey mapping**- Website Journey mapping is one way. It enables you to see your organization from the supporter's point of view and help support your NGO in understanding user needs, experiences and emotions.
- **Employee Information**- In this we will connect the employee information from database and display in front-end. So that people can easily find the organizers they need for the specific program.

CONCLUSION

FORTUNATE FUTURE is an effectively-designed Child Care NGO website which is great for collecting donations, engaging supporters, and increasing awareness for any cause. It has a long-term presence on the ground. It is Being creative and responsive. It will help both user and organizers to make volunteer and donation system easier.

The SDD document extended upon the NMS discussed the various functions in the form of DFD and UML diagrams. The design of the database was detailed in the form of ER diagram.

The main conclusion of this project is to reach youth, a good growth in their families with financial need and to win their families for better India.

REFERENCES

- <https://www.w3schools.com/>
- <https://www.youtube.com/>
- <https://www.wikipedia.org/>
- <https://www.geeksforgeeks.org/>
- <https://www.codecademy.com/catalog/language/html-css>
- <https://khushii.org/>