A

Mini Project Report

On

"HelpingBuddy-Disaster Management System"

Submitted By

Name	Roll-no
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Pruthviraj Sambhaji Bhosale	07
Yadnesh Sanjay Budukh	09
Swapnil Sachin Chougule	17
Yash Jayant Deshmukh	21

Under the Guidance of
Mrs.Sujeeta Shah

Department of Computer Science & Engineering

School of Engineering & Technology

D. Y. Patil Agriculture & Technical University, Talsande

Year

2023-24

D. Y. Patil Agriculture & Technical University, Talsande

Department of Computer Science & Engineering

Certificate

This is to certify that the project work entitled

"HelpingBuddy-The Disaster Management System"

submitted by

Name	Roll-no
Ajit Shirish Babar	02
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In partial fulfillment of requirement for the Semester-I of Third Year in Computer Science & Engineering. This is a record of their work carried out by them under supervision and guidance during academic year 2023-24.

Place: DYPATU, Talsande
Date: 15-12-2023

Mrs.Sujeeta Shah   Mr. S. A. Kumbhar   Dr. S. T. Patil
Name of Guide   **Project coordinator**   **HOD CSE**

External Examiner

D. Y. Patil Agriculture & Technical University, Talsande

ACKNOWLEDGMENT

We take pleasure in presenting our work done for the project entitled as "HelpingBuddy".

We express our sincere thanks to Mrs.Sujeeta shah whose supervision, inspiration and valuable guidance helped us a lot to complete the project. His guidance proved to be the most valuable to overcome all the hurdles in the fulfillment of this project work.

We are very much thankful to Mr. S. A. Kumbhar, Project coordinator and Dr. S. T. Patil, Associate Dean, School of Engineering and Technology for their kind support and valuable guidance.

We would also express gratitude towards our colleagues and friends for the moral and technical support throughout the duration of project work. Also we are also thankful to all those who have helped us in the completion of the project work.

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CHAPTER: -1
Synopsis

D.Y. Patil Agriculture and Technical University, Talsande
(B.Tech. CSE Third Year)

Project Synopsis on
"HelpingBuddy"
Submitted By

Roll No	Student Name	PRN
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17	Swapnil Sachin Chougule	2022011032005
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Project Guide   Project CoOrdinator
(Mrs. Sujeeta Shah)   (Mr. Sunil Kumbhar)

CHAPTER: -2
INTRODUCTION

2.1 Introduction:

This project helps the donators to make donations for the troubled peoples or to the NGO, orphan age, old age homes and to many more such entities.

The natural disasters make so much loss of the environment and it also effects lifestyle of the people who lives in that disaster area.

Sometimes people want to help the people who are in trouble due to such conditions by providing them their basics needs like food, clothes, medicines etc.

This project acts as intermediator between donors and needy people .

It provides many features as donation at disaster site, donation at orphan age, helping old age houses.

Helping NGOs to communicate with   donors for their various social programs.

In this proposed website also provide total information of donor name, donated items , recipient   information and received items.

2.2 Relevance/Motivation

2.2.1 Problem Statement

Many times, when natural or manmade disaster happened plenty of people suffered from lack essential livelihood item like food, water, medicine, shelter etc.

Here many societies and individual wish to help that affected people but absence of management this help is can't be able to reach at right place for right people, it would be wasted or shortage for that condition.

2.2.2 Objective

This website named Helping Buddy helps to overcome on the problems like -

2.2.1 wastage of donated material

2.2.2 irregularity in help

2.2.3 efficient use of helps and donations.

CHAPTER: -3
Literature Review/
Existing System

3.1.Literature Review :

The literature Review section provide an overview of the research paper and sources that have been referred during study of disaster management and donation system irregularities.

Number of paper reviewed to gain proper insights into various aspects of disaster management and donation system.

"Disaster management in India: are we fully equipped? " by R.S.Deshpande (2022) :

This research examines different climate and man-made disaster happened in past. It covers impact of that event, rescue operations and experience of people. The study of this paper points to a subject of lack of donations as well as wastage of over donated items because of less management .

"Role of NGOs in Disaster Management " by Anupreeta Chatterjee (Oct -2015)

This research paper is brief knowledge of Role of NGOs in social activities and disaster management .This explains how donation system runs in NGOs and associate social centre like orphan age and old age houses .

The Literature review has served as a valuable resource in shaping the project's design and approach.

3.2.Existing Work : Right now, the frontend of the web page is in the progress. In which we have included login, signup, and query page. We have added our contact details so the user can contact the website handler or the agency for their query. Also, we are trying to attach database in such a way that we can send a reminder email to our viewers who have registered or interested in donating.

CHAPTER: -4
Basic System Architecture

4. Proposed Work:

Helping Buddy aims to make a positive impact on various challenges faced by communities through the collective power of feeling of giving.

4.1 Scope

4.1.1.Donation Management:

Donators can donate what they want to the different recipients including the people who are suffered due to disasters.

4.1.2. Efficient Use of Donations:

Sometimes the donated food or material get wasted due to large amount of donations so this project will help us to utilize the full amount of donations without any wastage.

4.1.3.Appointment for Donations:

As mentioned above the multiple donations at same time causes wastage or no use of that donations so this project will help us to check what type of donations receivers required and as per requirement and donators time availability, he can take an appointment to make the donations.

4.1.4.Finding NGO:

This project helps to find the NGO, old age homes, orphan age homes and such more institutions in our area.
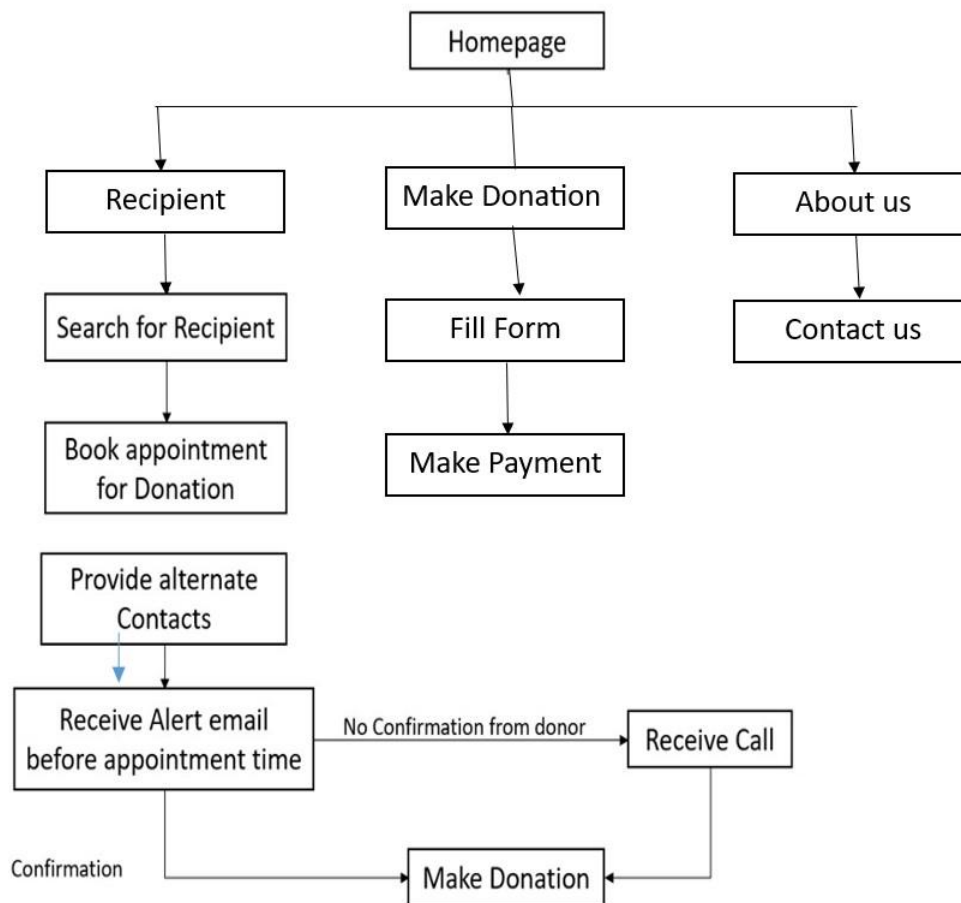
4.2 Methodology:

4.2.1 Method of data collection:

By conducting survey and the articles available on the websites we came to know that inefficient use of donations and the peoples want to donate but they don't have any idea where they should make these donations. Also, the data of donor received from NGO or from government offices.

4.2.2 Method of data analysis:

The data collection process for disaster management system involves diverse methodologies. Surveys and questionnaire to social workers and NGOs administration gives insights into management issue. Interview with disaster affected people provides qualitative perspective. Discussing with on field social workers helped in corresponding events.
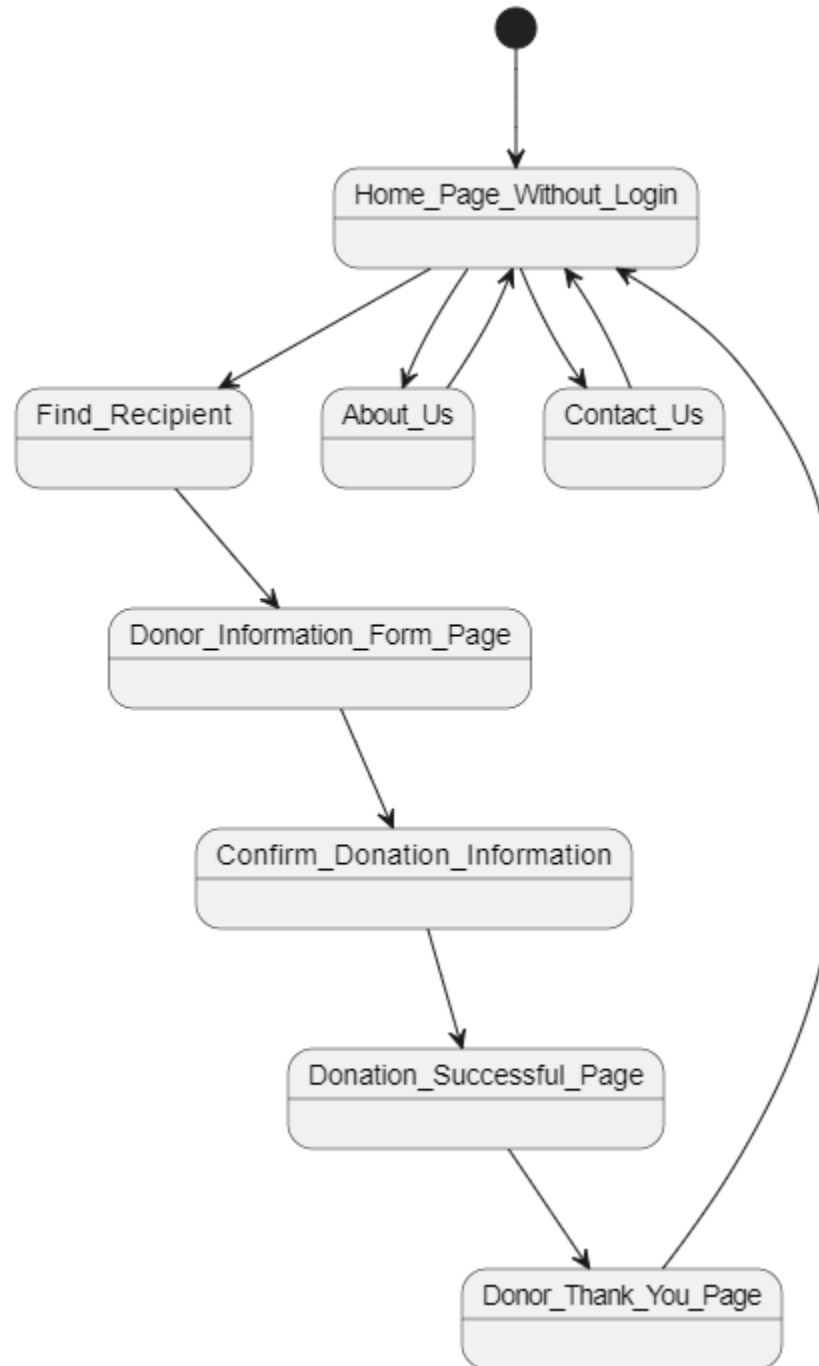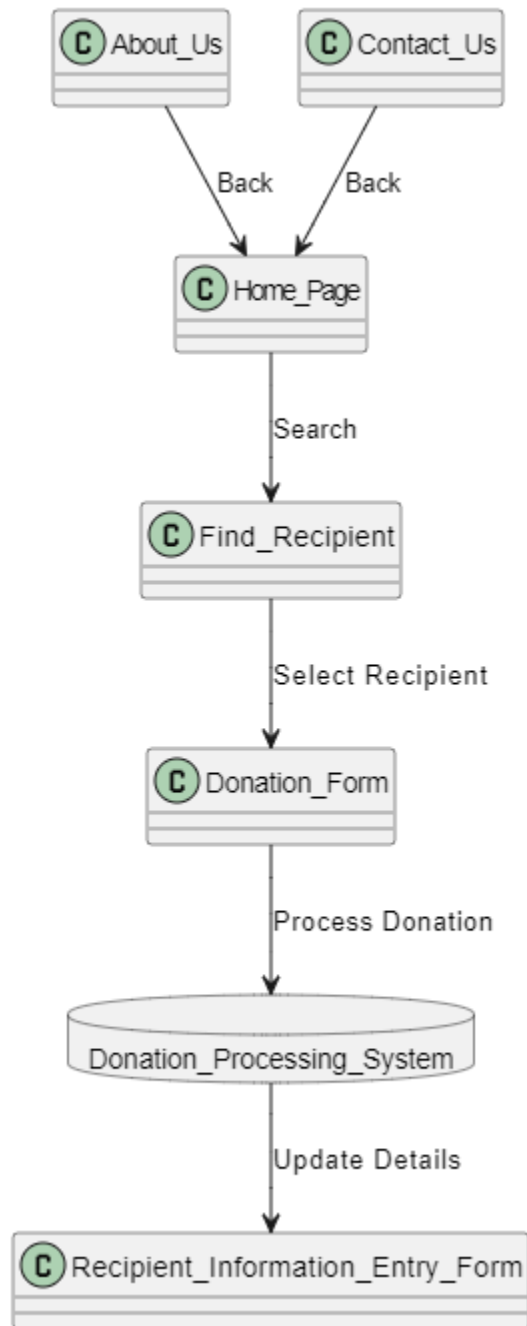
4.2.3 Block Diagram:-

```
                              Homepage
                                 │
        ┌────────────────────────┼────────────────────────┐
        ▼                        ▼                        ▼
   ┌─────────┐           ┌──────────────┐          ┌──────────┐
   │Recipient│           │Make Donation │          │ About us │
   └─────────┘           └──────────────┘          └──────────┘
        │                        │                        │
        ▼                        ▼                        ▼
┌─────────────────┐      ┌──────────────┐          ┌──────────┐
│Search for       │      │  Fill Form   │          │Contact us│
│Recipient        │      └──────────────┘          └──────────┘
└─────────────────┘             │
        │                        ▼
        ▼                ┌──────────────┐
┌─────────────────┐      │ Make Payment │
│Book appointment │      └──────────────┘
│for Donation     │
└─────────────────┘

┌─────────────────┐
│Provide alternate│
│Contacts         │
└─────────────────┘
        │
        ▼
┌─────────────────────┐  No Confirmation from donor  ┌─────────────┐
│Receive Alert email  │ ───────────────────────────> │ Receive Call│
│before appointment   │                               └─────────────┘
│time                 │                                      │
└─────────────────────┘                                      │
        │                                                    │
 Confirmation    ┌──────────────┐                            │
        └───────>│Make Donation │<───────────────────────────┘
                 └──────────────┘
```

CHAPTER: -5
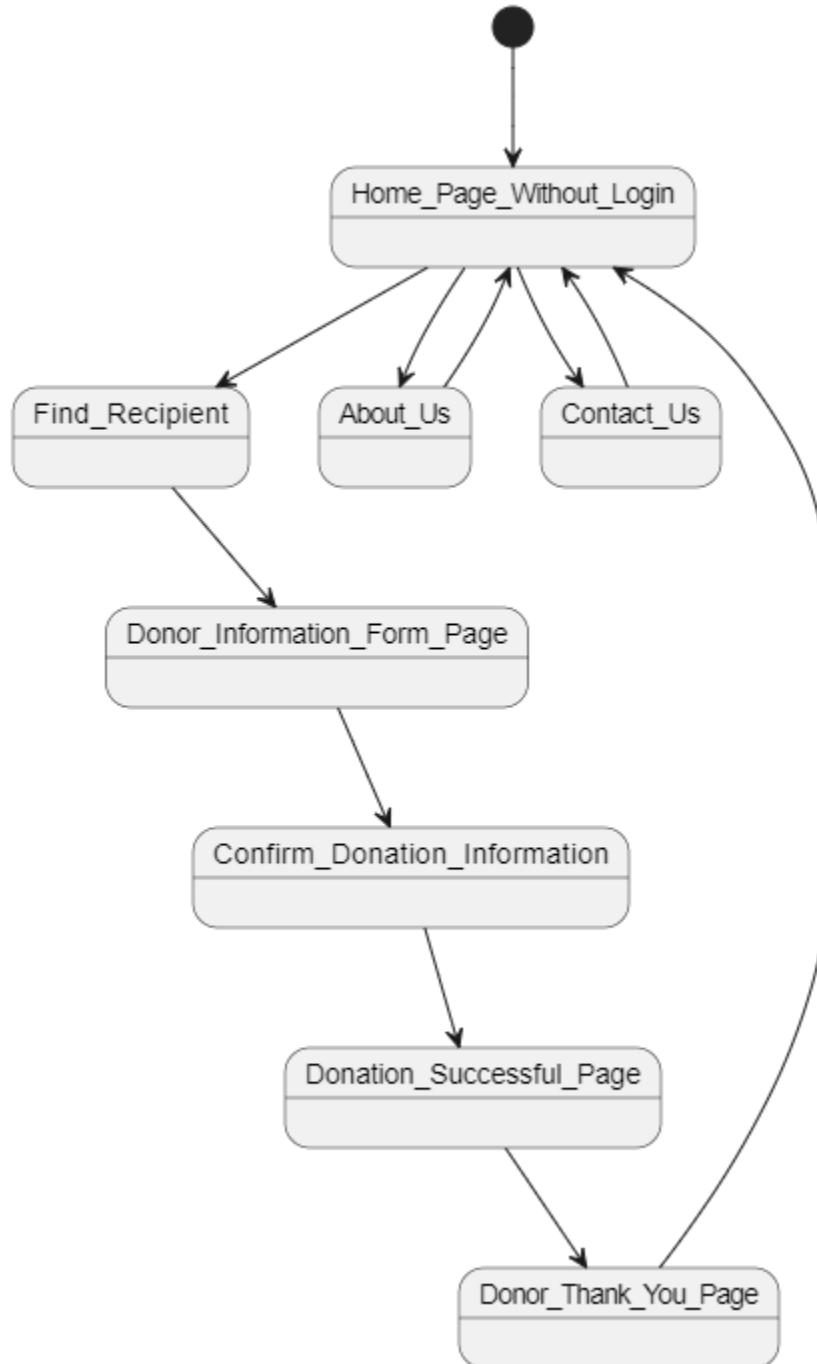# DESIGN

5.1 Data Flow Diagram:

5.2 Use case Diagram:

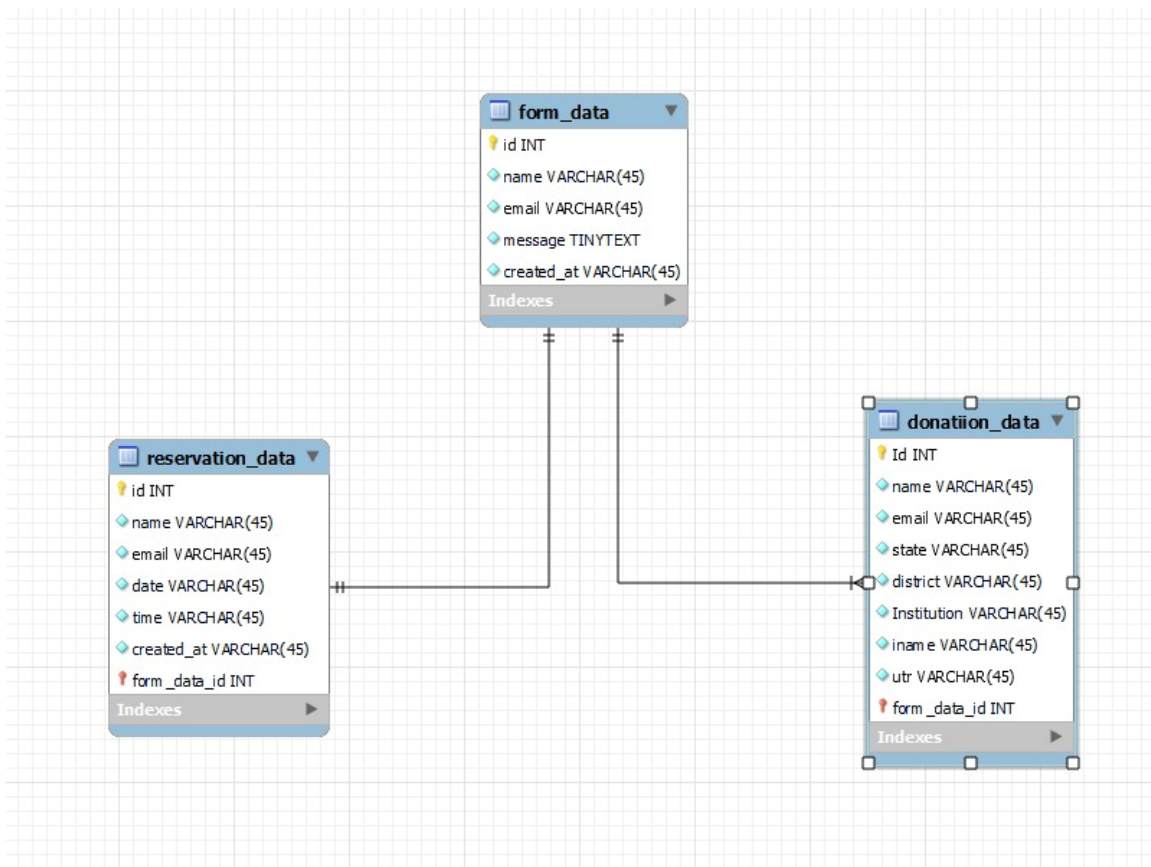## 5.3 Class Diagram:
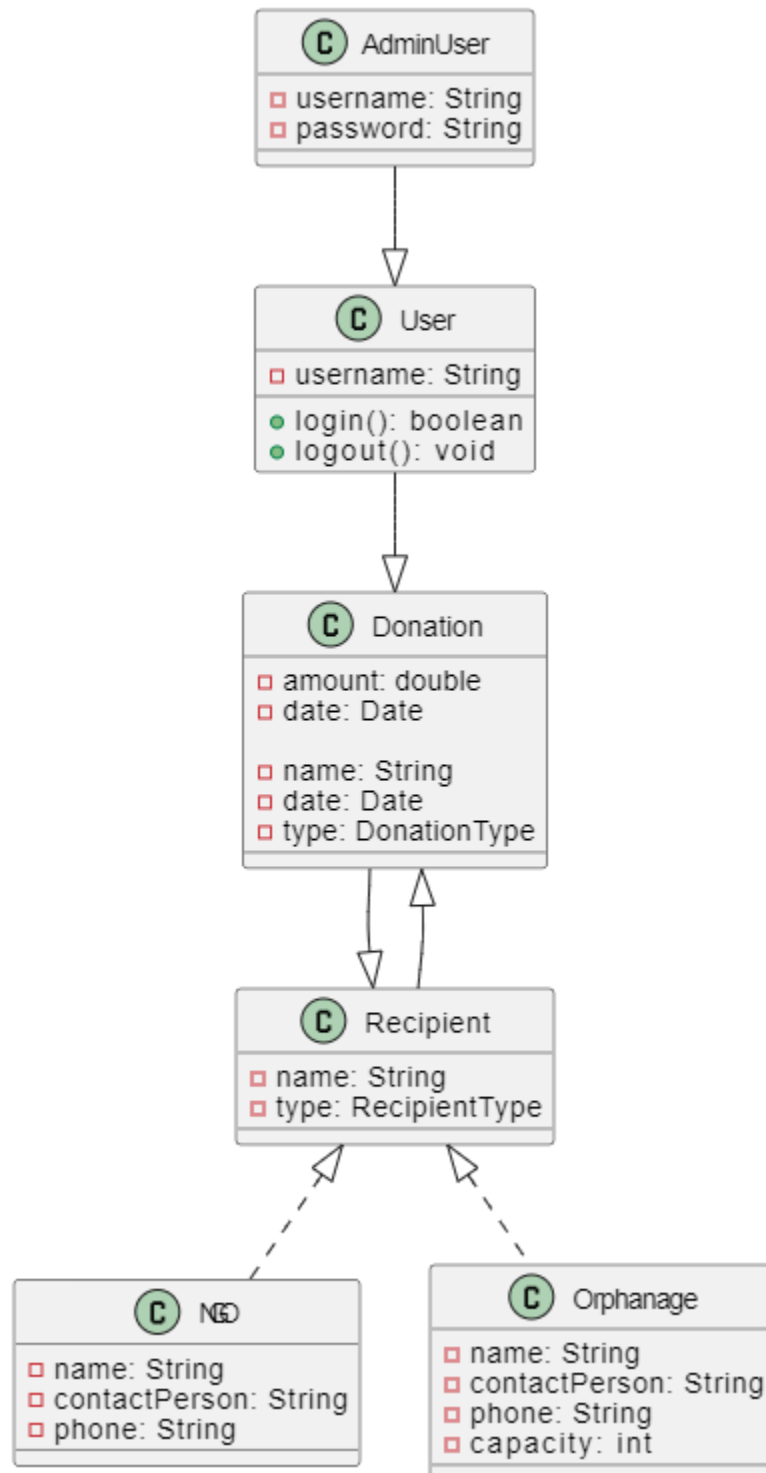
5.4 Activity diagram:

activity Diagram 1

5.5 ER diagram:

CHAPTER: -6
Testing

6.1 Test Cases and Test Report:

6.1.1.Test Case and Test Report :

Test Case No :1

Test Case ID	TC001	Test Case Description	Test the Home Page load	
Created By	Swapnil	Reviewed By	Yash	

Tester's Name	Yash	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Application is deployed and accessible		1	observe

Test Scenario	Verify the loading of the homepage successfully.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Home page load without error	Home page load without error	As Expected	Pass

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Test Case No :2

Test Case ID	TC002	Test Case Description	Test the contact us page load successfully	
Created By	Ajit	Reviewed By	Pruthviraj	

Tester's Name	Ajit	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Application is deployed and accessible		1	observe

Test Scenario Verify the loading of the Contact us page successfully.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Contact us page load without error	Contact us page load without error	As Expected	Pass

Test Case No :3

Test Case ID	TC003	Test Case Description	Test the loading of donation page.	
Created By	Yadnesh	Reviewed By	Yash	

Tester's Name	Yadnesh	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Test the donation page is loaded without any error.		1	observe

Test Scenario   Verify the loading of the Donation page successfully.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Donation page load without error	Donation page load without error	As Expected	Pass

Test Case No :4

Test Case ID	TC004	Test Case Description	Test the loading of Recipient page.	
Created By	Yash	Reviewed By	Ajit	

Tester's Name	Yash	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Test the Recipient page is loaded without any error.		1	observe

Test Scenario	Verify the loading of the Recipient page successfully.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Recipient page load without error	Recipient page load without error	As Expected	Pass

Test Case No :5

Test Case ID	TC005	Test Case Description	Test the Transaction details stored successfully .	
Created By	Pruthviraj	Reviewed By	Ajit	

Tester's Name	Ajit	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Test the Transaction details are stored successfully in database .		1	observe

Test Scenario   Verify the Transaction Details are stored successfully.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Recipient page load without error	Recipient page load without error	As Expected	Pass
3	Verify the Transaction details are stored successfully in the database	Transaction details are stored in the database successfully	As Expected	Pass

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Test Case No :6

Test Case ID	TC006	Test Case Description	Test the donation Transaction details are stored successfully.	
Created By	Pruthviraj	Reviewed By	Swapnil	

Tester's Name	Pruthviraj	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Test the donation Transaction details are stored successfully.		1	observe

Test Scenario   Verify the Donation Transaction details are stored successfully.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Donation page load without error	Donation page load without error	As Expected	Pass
3	Verify the donation transaction details are stored successfully in the database.	Donation Transaction details are stored successfully in the database.	As Expected	Pass

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Test Case No :7

Test Case ID	TC007	Test Case Description	Test the food donation slots are available .	
Created By	Yash	Reviewed By	Swapnil	

Tester's Name	Swapnil	Date Tested	28-Dec-2023	Test Case (Pass/Fail/Not Executed)	Pass

S #	Prerequisites:		S #	Test Data
1	Test Food donation slots are available .		1	observe

Test Scenario   Verify the Food donation slots are available.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
1	Open the Application	Open Site	As Expected	Pass
2	Verify that the Donation page load without error	Donation page load without error	As Expected	Pass
3	Verify the Food donation slots are available.	Food donation slots are available.	As Expected	Pass

CHAPTER: -7
Project Screenshot

1.Homepage Snapshot:
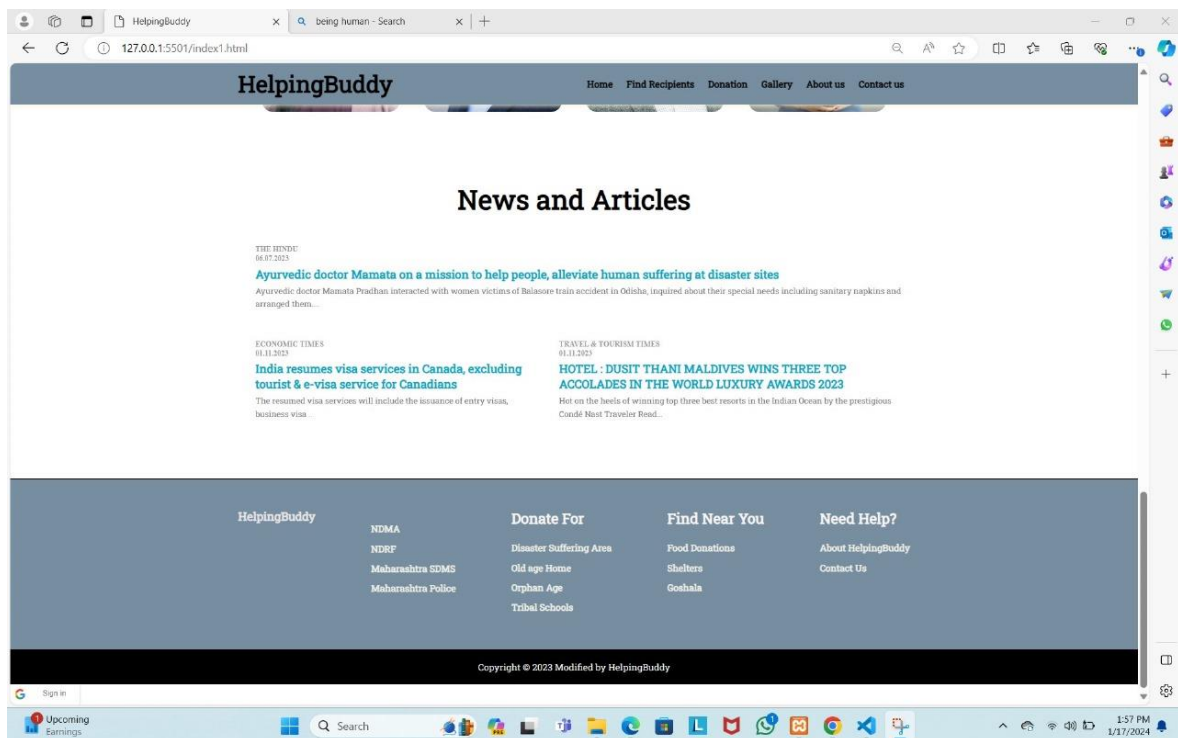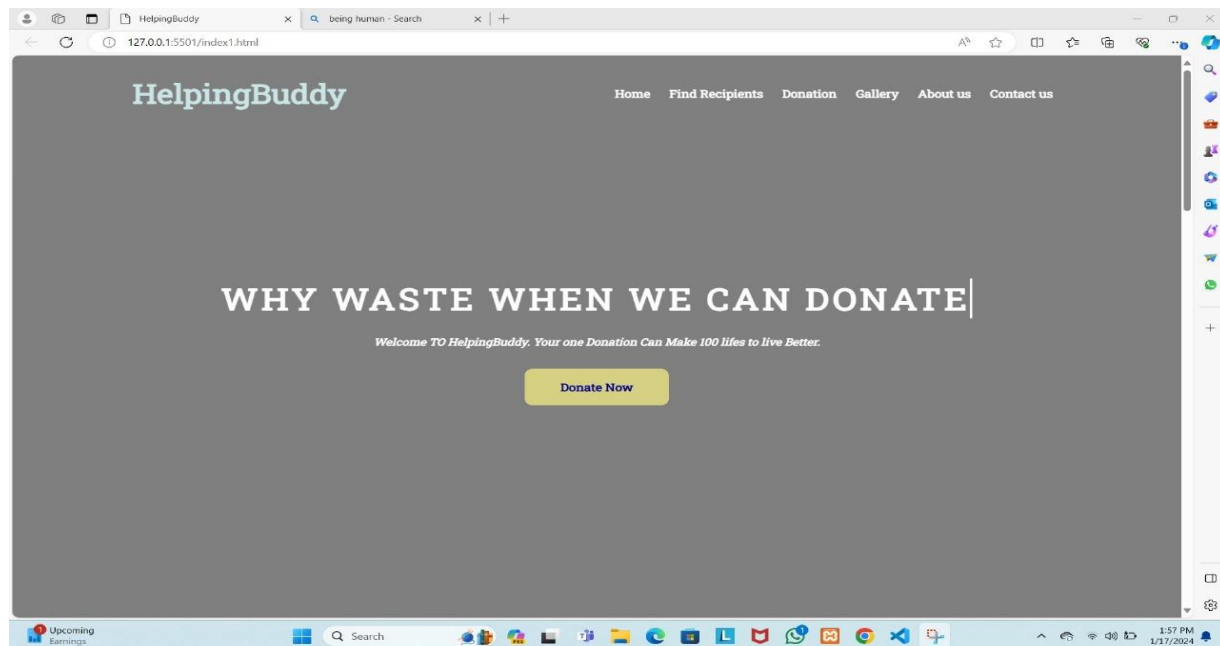
2.Find Recipient Page
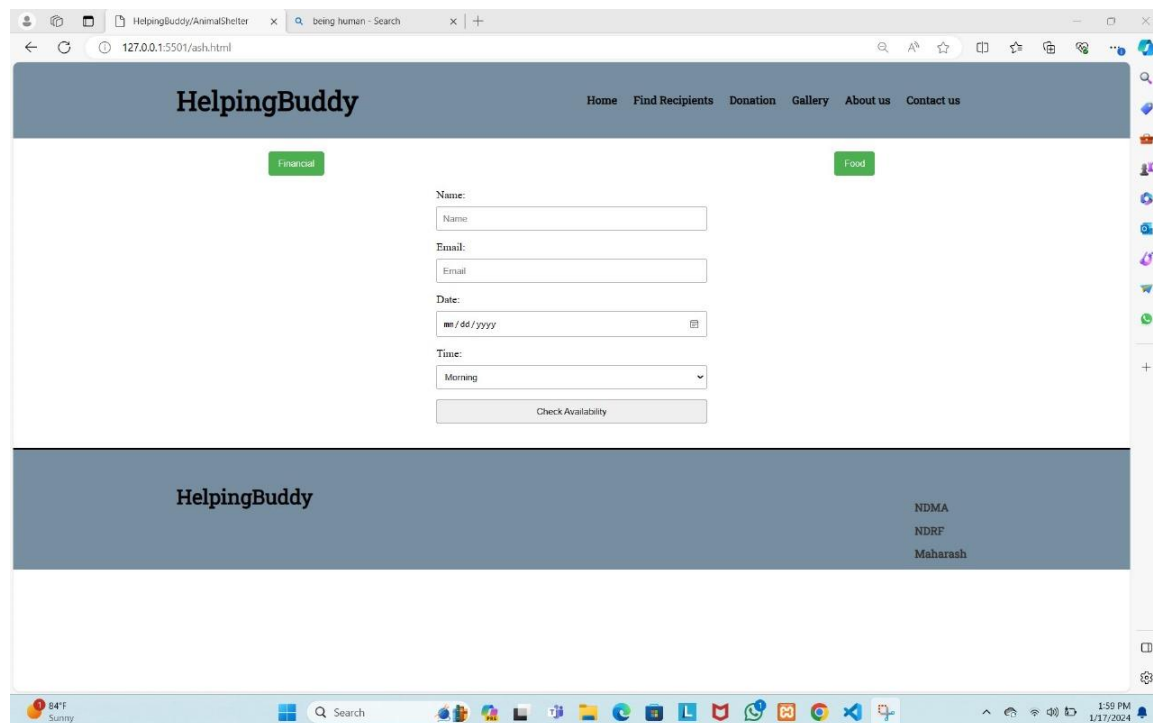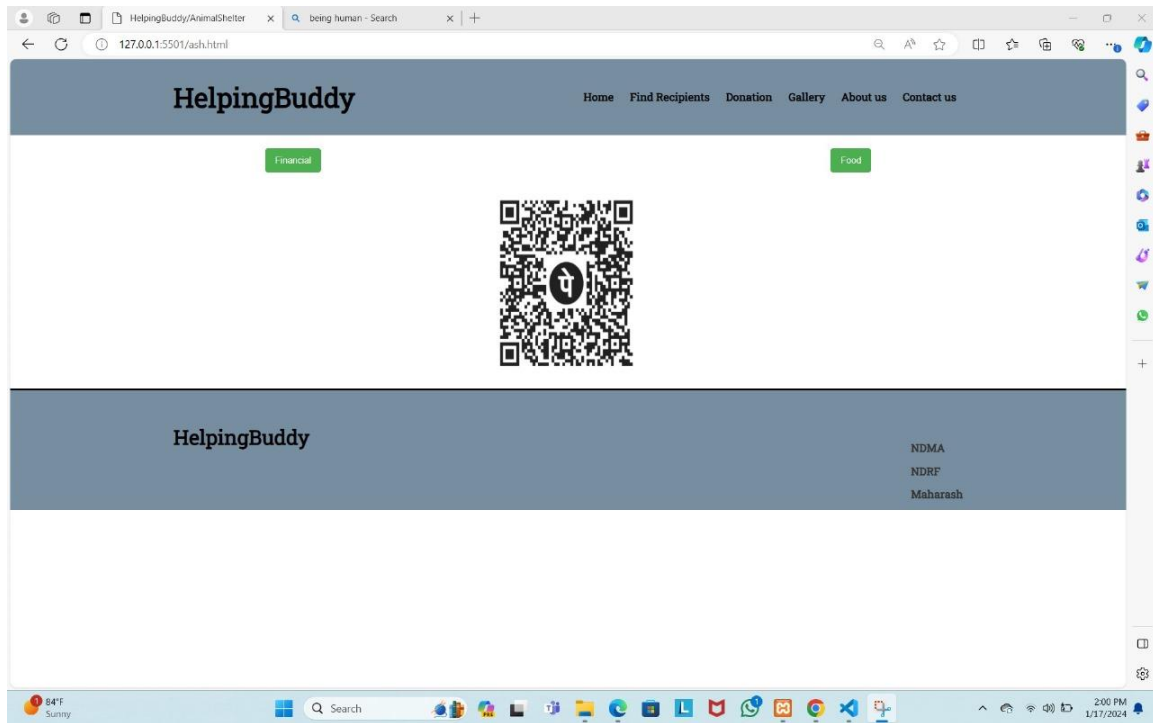
3.Donation Page

About us Page
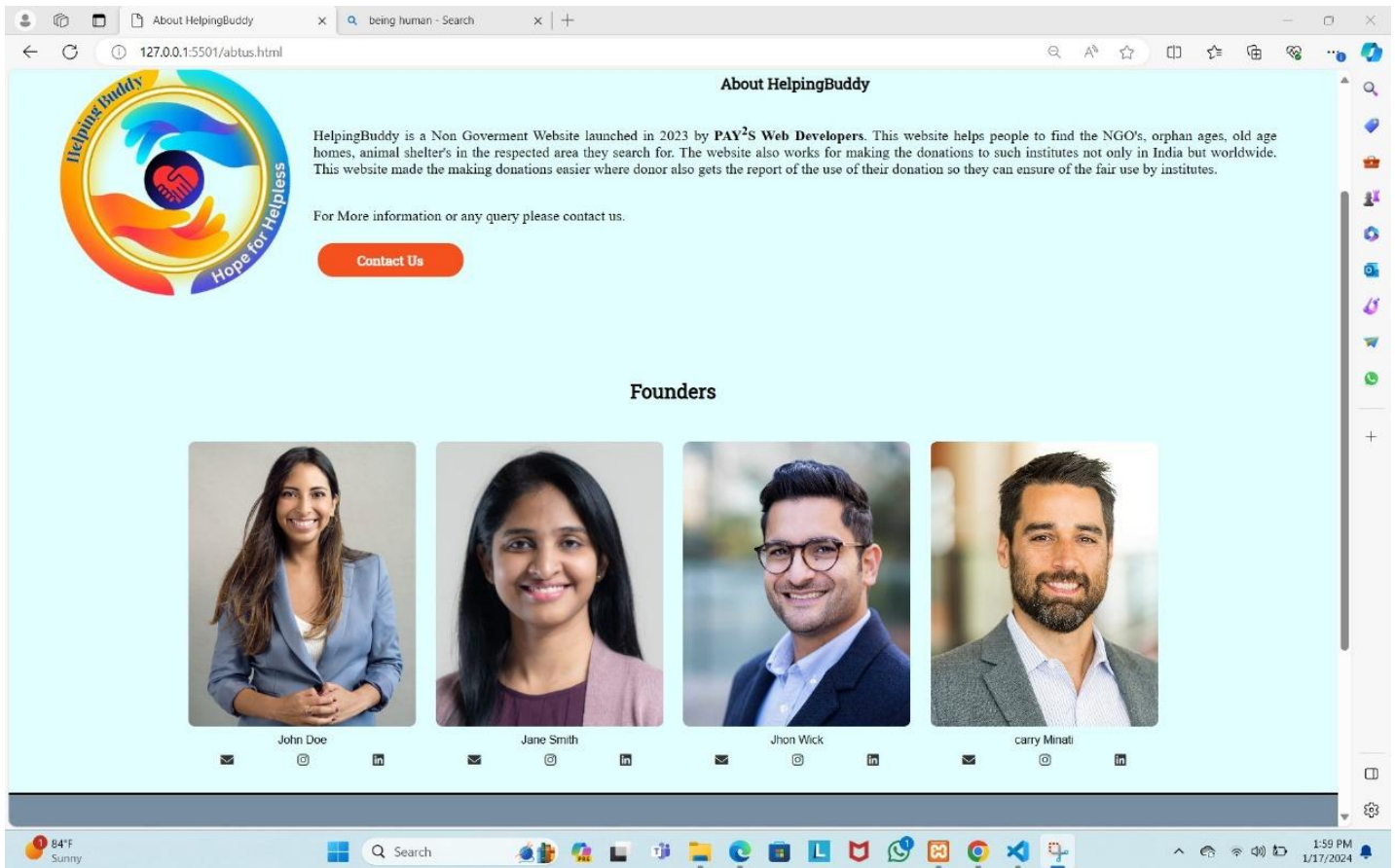
Contact us Page

CHAPTER: -7
Conclusion

In conclusion, the development and implementation of the "Helping Buddy Donation Website" project have been a collaborative effort by our team of dedicated individuals. Throughout the academic year 2023-24, our group consisting of Ajit Babar, Pruthviraj Bhosale, Yadnesh Budukh , Swapnil Chougule , Yash Deshmukh worked diligently under the guidance of Mrs. Sujeeta Shah.

Here are some key points for the conclusion:

- **Philanthropic Mission:** Helping Buddy appears to have a clear philanthropic mission aimed at addressing crucial social issues, including disaster relief, support for old age homes, and assistance for orphanages. The platform likely seeks to channel resources and aid towards those in need.

- **User-Friendly Interface:** A successful donation and funding management platform should have a user-friendly interface. If Helping Buddy provides an intuitive and easy-to-navigate website, it would likely attract more users, encouraging greater participation in charitable activities.

- **Security Measures:** Given the sensitive nature of financial transactions, ensuring the security of online donations is paramount. A reliable donation management platform should implement robust security measures to protect donors' personal and financial information.

- **Impactful Initiatives:** The success of Helping Buddy can be measured by the positive impact it has on the beneficiaries of its initiatives. Regular updates, success stories, and tangible outcomes from the supported projects would showcase the platform's effectiveness in making a meaningful difference in the lives of those it aims to help.

- **Community Engagement:** To thrive, Helping Buddy should actively engage with its community of donors, volunteers, and beneficiaries. Regular communication, updates, and engagement events can foster a sense of community and inspire continued support for the platform's initiatives.

In conclusion, if Helping Buddy effectively addresses these aspects, it has the potential to be a valuable platform for managing donations and funding for various causes, contributing positively to society. However, ongoing efforts to maintain transparency, security, and community engagement will be crucial for its sustained success in the realm of charitable endeavors.

CHAPTER: -8
REFERENCE

Reference:

     I.   Google
    II.   ChatGPT
  III.   Wikipedia