

A

Project Report

on

DoleOut

In partial fulfillment of Post Graduate course

in

Master of Science (Computer Science) – I

(Semester - I)

CSC4106 Computer Science Project - I

Presented By

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Introduction

DoleOut as the title itself suggest to give or contribute of something. In this project we focus on the organizations who work for socially backward, unaware and needy section of the society. There is no such platform exist as of now. We are providing a platform for such institutions to get more and more help from the peoples who are willing to do any kind of help weather by giving food, cloths, some amount or by helping them directly by participating in the events organized by such organizations.

1.1 Existing System

- In current scenario large NGO's that are well known and run by proper authorities having knowledge of social media, aware of technologies can reach out maximum number of peoples and they can also fund digital marketing for this purpose.
- NGO's that are not very known to people got their funds from regular donors and gets connected to people through their trusties and by locals.
- Few of them can be reachable through internet but for payment people have to visit the place. No online payment system is available as such.
- If the NGO's planned any social activity in particular city then they have to do lot of search regarding the peoples living in surrounding, their participation in such activities before etc.
- They also have to carry sufficient man power with them for management of the activity.
- There is no such system exists as of now which will make this process easier for both NGO's as well as peoples.

1.2 Need of the System

- In 21st century peoples have money and are also willing to donate but they don't have enough time to go through the process of finding the place and then visit it for payment.
- Sometimes NGO's also find it difficult to handle the management with less knowledge about the ground and also to seek people participation as they are not familiar with surrounding peoples for the activity they planned.
- There is a need of convenient way which will save the time and efforts.

1.2 Overview of the Project

- In our project we thought from the point of view NGO's as well as of common peoples and tried to give solution according to it.
- The one who want to be a part of any social activity performed in their area can register on this side. Their information will be available to NGO's.
- This project will have the data of the people district wise who are ready to help as a volunteer.
- NGO's who wants to know some information of particular area they can search for people living in that area who are willing to help, and can seek for help required.
- The one who wants to donate can search for NGO's around them. The information of NGO's is available district wise.
- Anyone can donate by online payment by just providing mobile number and Gmail ID.

Analysis

2.1 Feasibility Study

Feasibility study helped us in analyzing whether our project is right in terms of development, implantation, and contribution.

2.1.1 Technical feasibility

- The project development process is based on PHP language which is open source general purpose scripting language.
- The database which is used MySQL is very handy and to develop a system using it is quite easy.
- HTML and CSS are used for designing purpose which also makes it easy for the user to understand and access our website.
- The basic requirement to access our website is any browser and the internet connection at the user side.

2.1.2 Economical Feasibility

- Economic analysis is the most frequently used method for evaluating the effectiveness of a system. Most commonly known as cost/benefit analysis.
- The cost for development of the system is very less. The cost of hardware and software is at present, economical.

- The benefits in turn saves much time of the individual.
- The development cost in future will be putting the system on its extension.
- It can be accessed by any smart device. So it is also cost efficient for the user.

2.1.3 Operational feasibility

- In current scenario, the process of donation takes much efforts as an individual needs to spend much time on internet to search for a genuine organization, so it's too much time consuming and there is also the chances of fraud.
- The application will be developed in a way so that it will be easy to handle even for a person doesn't have much of technical knowledge.
- The simplicity of the process as individual is one click away from the receiver makes it easy to access for everyone.

2.2 Hardware and Software requirement

Software Requirements

- Operating System: Windows, Linux.
- Browser: Mozilla Firefox, Chrome, Safari.
- Front-end language: HTML, CSS, JavaScript, PHP.
- Database: MySQL.

Hardware Requirements

- Processor : Pentium.
- RAM : 2GB.
- Hard Disk : 50GB.

Design

3.1 Database Table designing

Table Name – Member Registration

Field Name	Field Type	Description
M_ID	Int(11)	Auto-Increment
Name	Varchar(100)	Name of member
Address	Text	Address of member
Gender	Varchar(10)	Male/ Female/ Other
Availability	Varchar(20)	Part time/ Full time
Email_id	Varchar(255)	Primary Key
Mobile_no	Bigint(20)	Mobile no
District	Varchar(100)	Available to be a volunteer in

Table Name –NGO Registration

<u>Field Name</u>	<u>Field Type</u>	<u>Description</u>
ID	Int(11)	Auto-Incremented
Name	Varchar(50)	Primary Key
Contact No	Bigint(20)	Contact no
District	Varchar(20)	Location of NGO
Address	Text	Complete Address
Description	Text	About NGO
Qr_Code	Varchar(25)	Bank QR_code for online payment

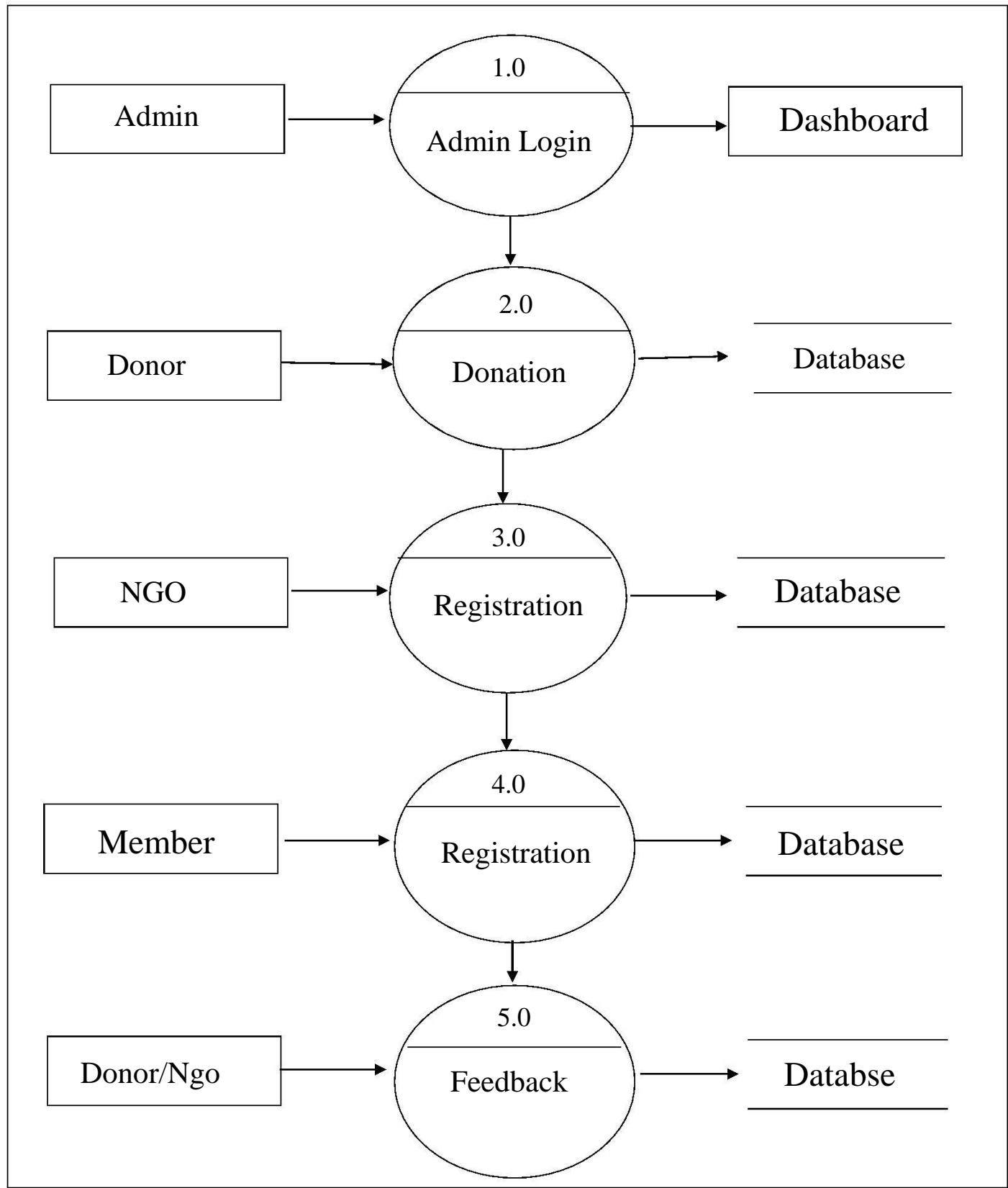
Table Name – Donation

<u>Field Name</u>	<u>Field Type</u>	<u>Description</u>
D_ID	Int(11)	Donar Id (Auto-Incremented)
Name	Varchar(100)	Name of Donor
Email_ID	Varchar(255)	Primary Key
Mobile_no	Bigint(20)	Mobile no of Donor
Ngo_name	Varchar(50)	Name of NGO to donate
Amount	Int(11)	About NGO

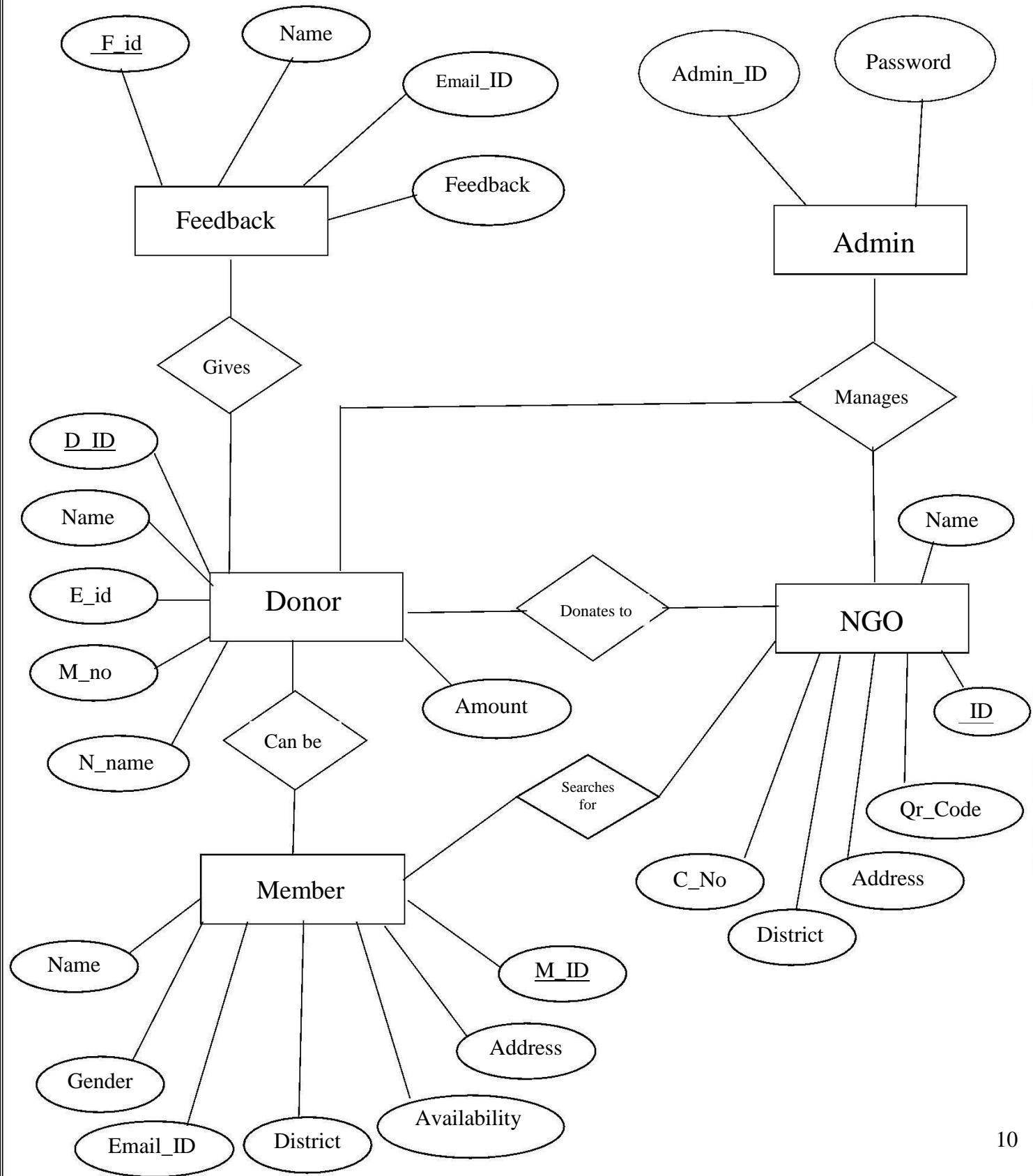
Table Name – Feedback

<u>Field Name</u>	<u>Field Type</u>	<u>Description</u>
F_id	Int(11)	Feedback ID
Name	Varchar(100)	Name of person
Email_ID	Text	Email of person
Feedback	Text	Feedback of person

3.2 Data Flow Diagrams

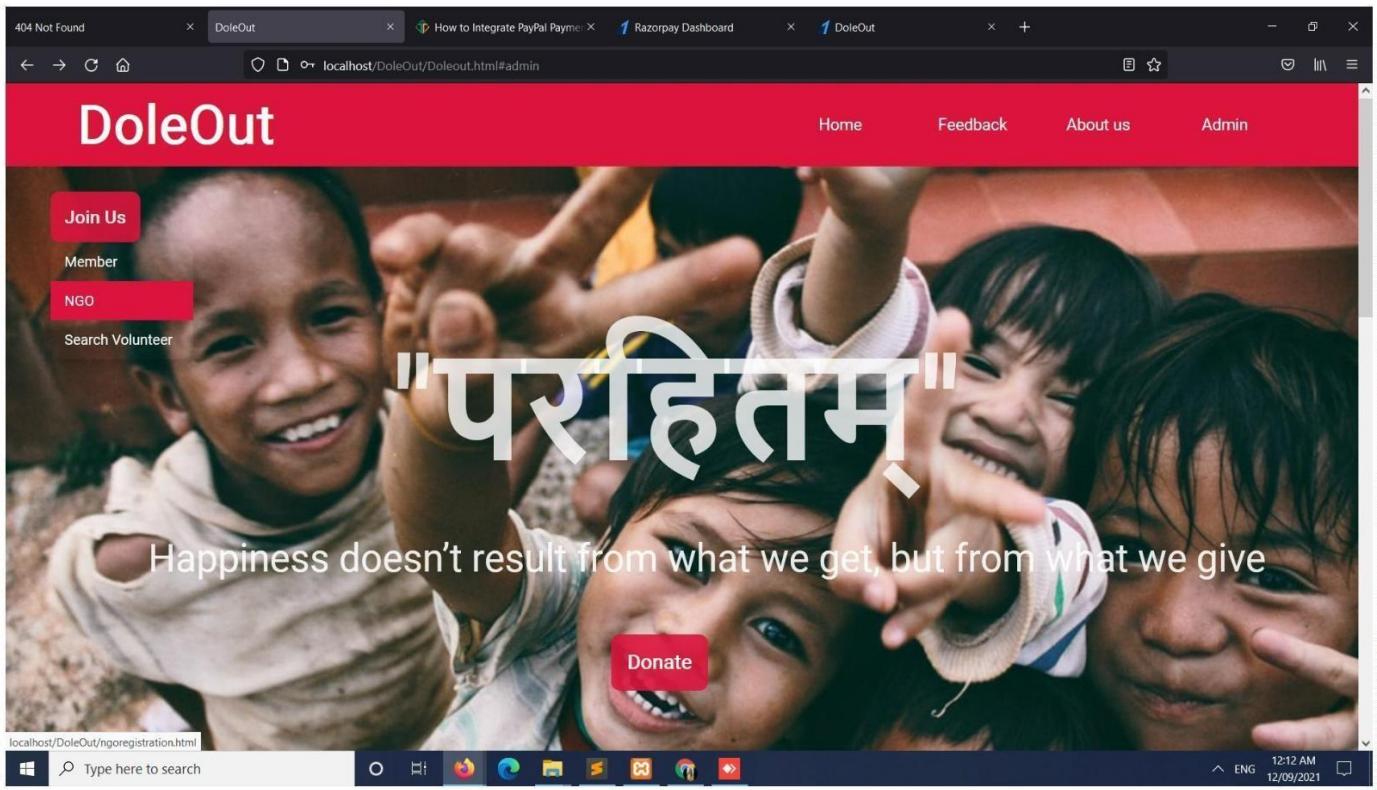


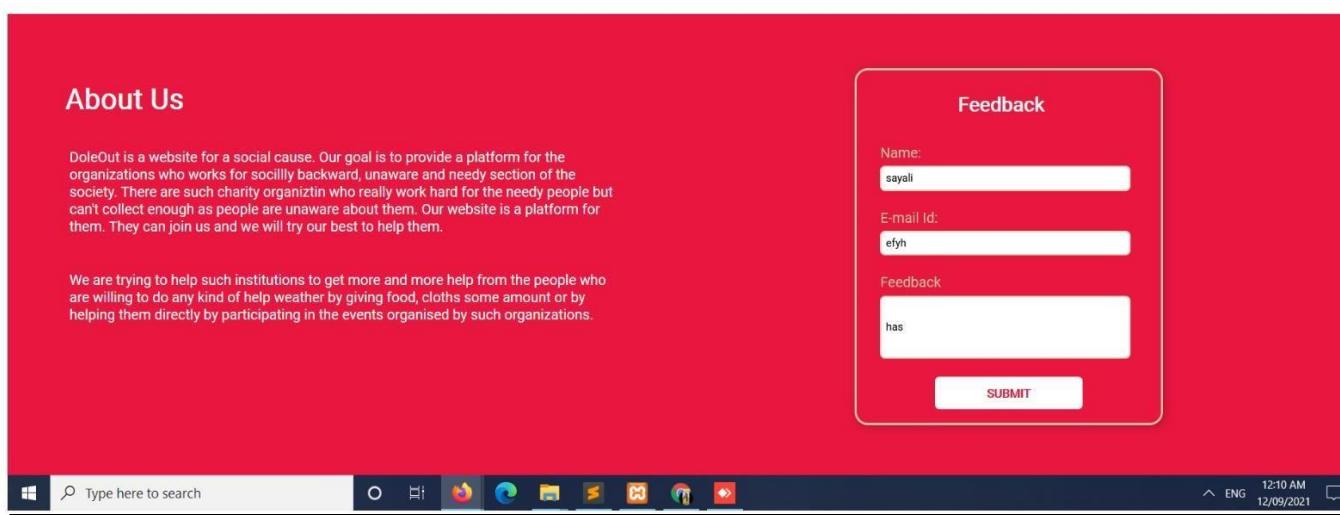
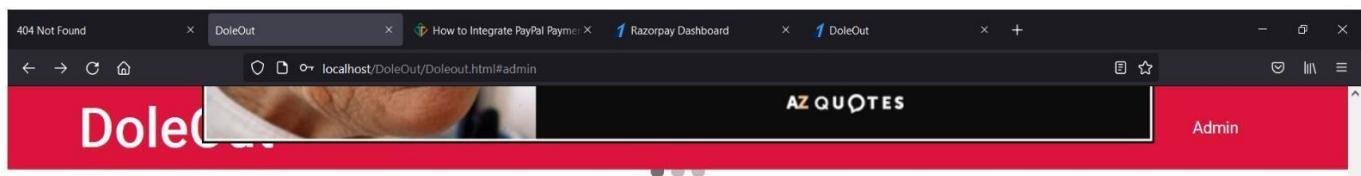
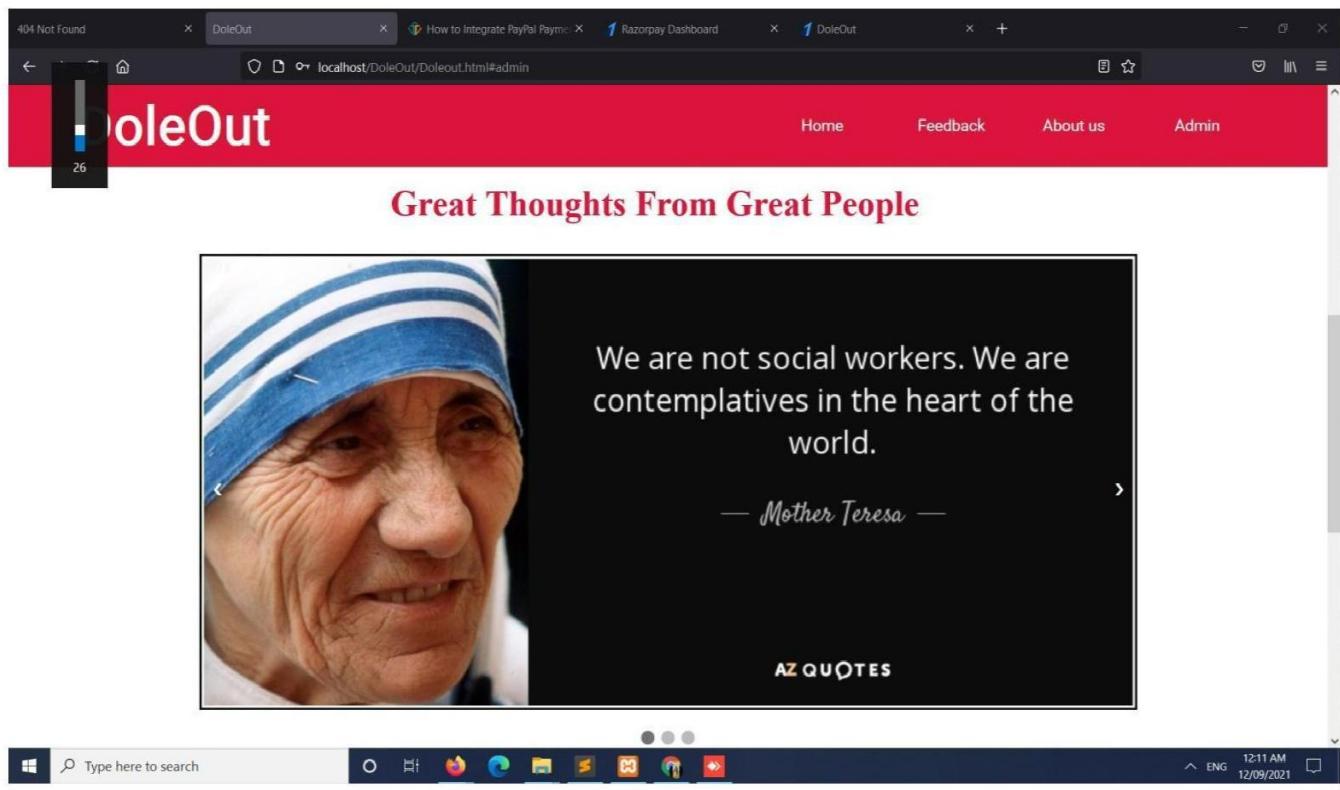
Entity Relationship Diagrams (ERD)



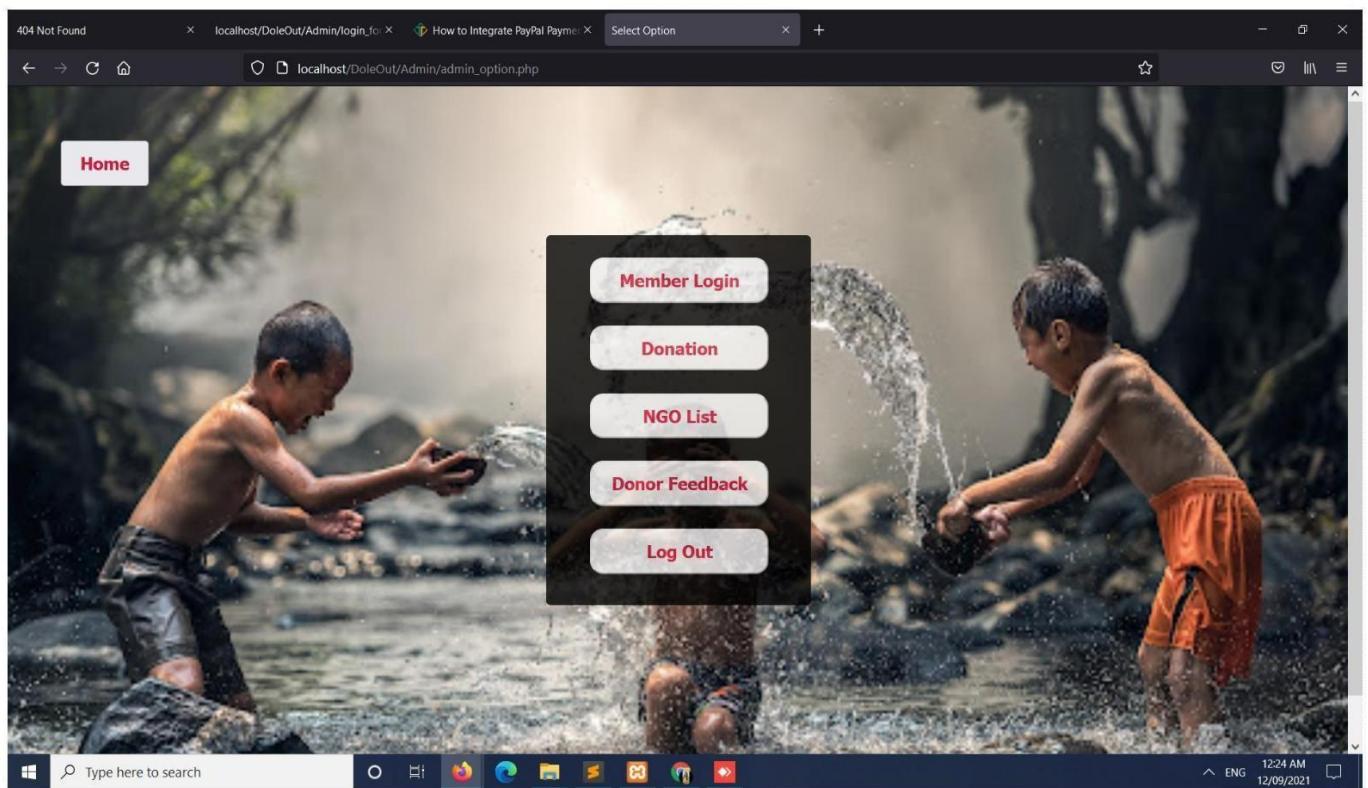
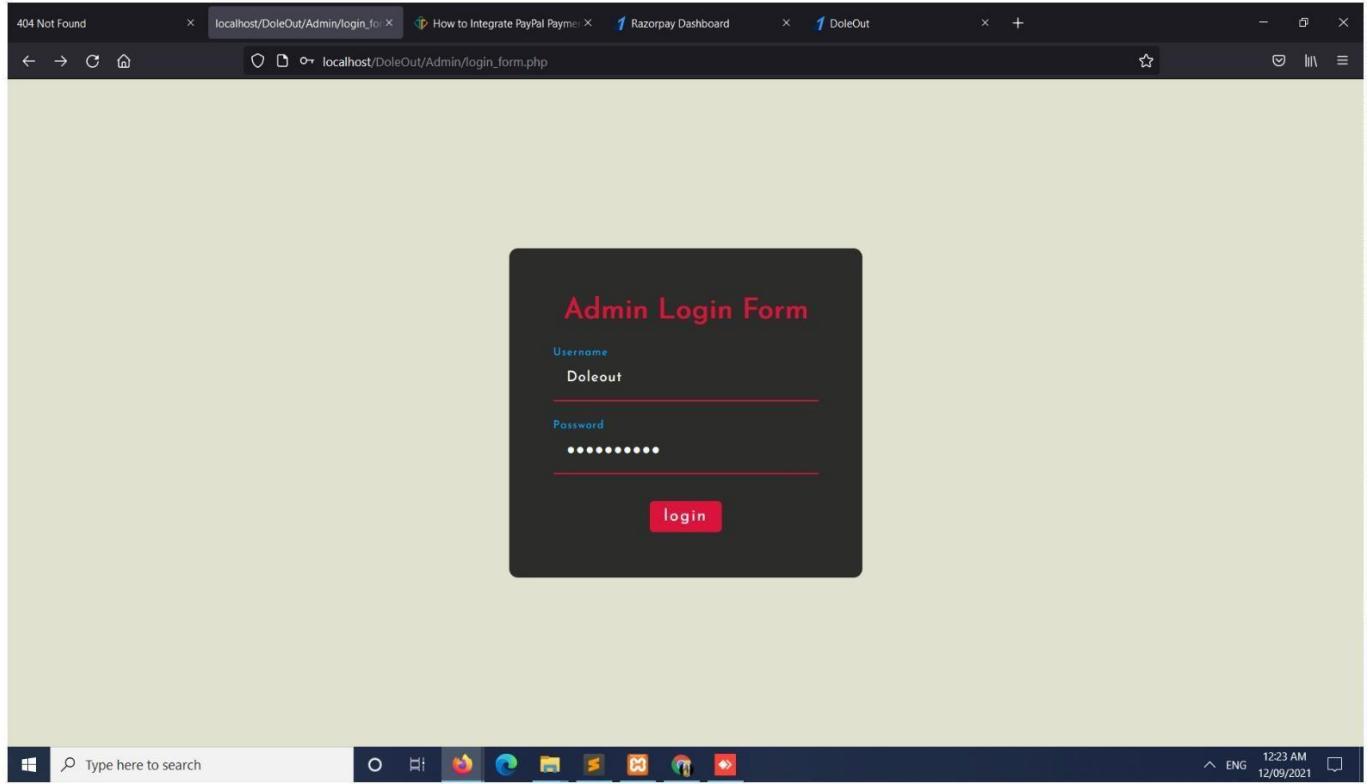
3.3 Input / Output Screens

Home Page

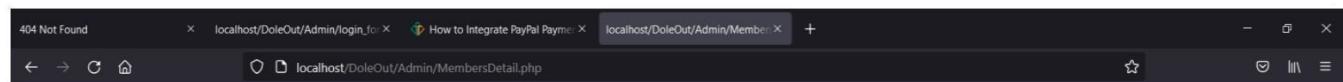




Admin Login



Member Database And Donation Database



Member Details

ID	Name	Address	Gender	Availability	Email_id	Mobile	District	Action
23	Shubhada	xyz			shubhadakanade04@gmail.com	2668885555	pune	<button>DELETE</button>
24	Pooja	wadi			sayalikanade218@gmail.com	9145690094	Nashik	<button>DELETE</button>

[Back to dashboard](#)



A screenshot of the phpMyAdmin interface. The left sidebar shows a tree view of databases and tables, with 'doleout' selected. The main panel shows the 'donation' table with three rows of data. The SQL query at the top is: 'SELECT * FROM `donation`'. The table has columns: D_ID, Name, Email_ID, Mobile_no, Ngo_Name, and Amount.



NGO Database And Feedback Database

The screenshot shows the phpMyAdmin interface for the 'doleout' database. The left sidebar lists databases like 'book', 'doleout', 'information_schema', 'mysql', etc. The 'ngoregistration' table is selected. The main area displays a single row of data:

ID	Name	Contact_no	district	address	description	qr_code
36	sayali	559999999	Pune	Pune	ok	sayali.jpeg

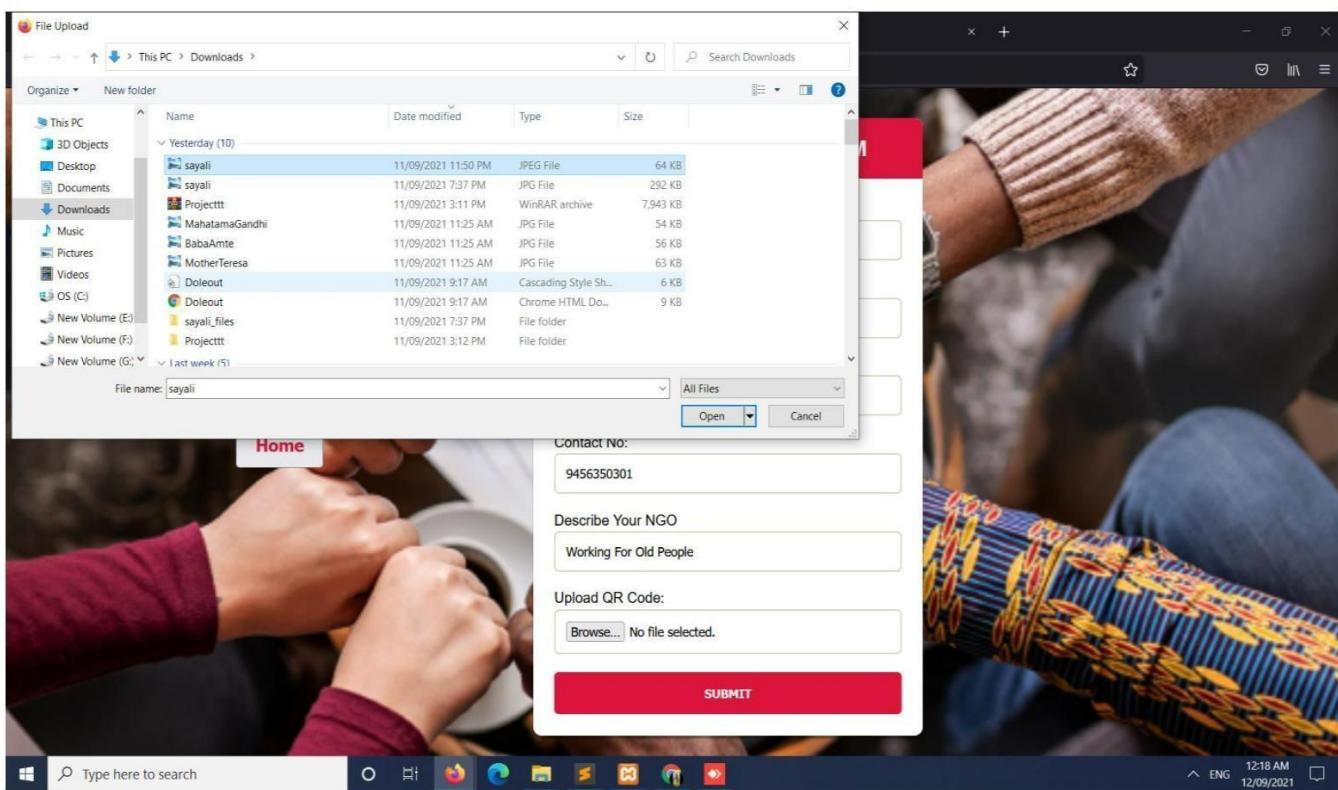
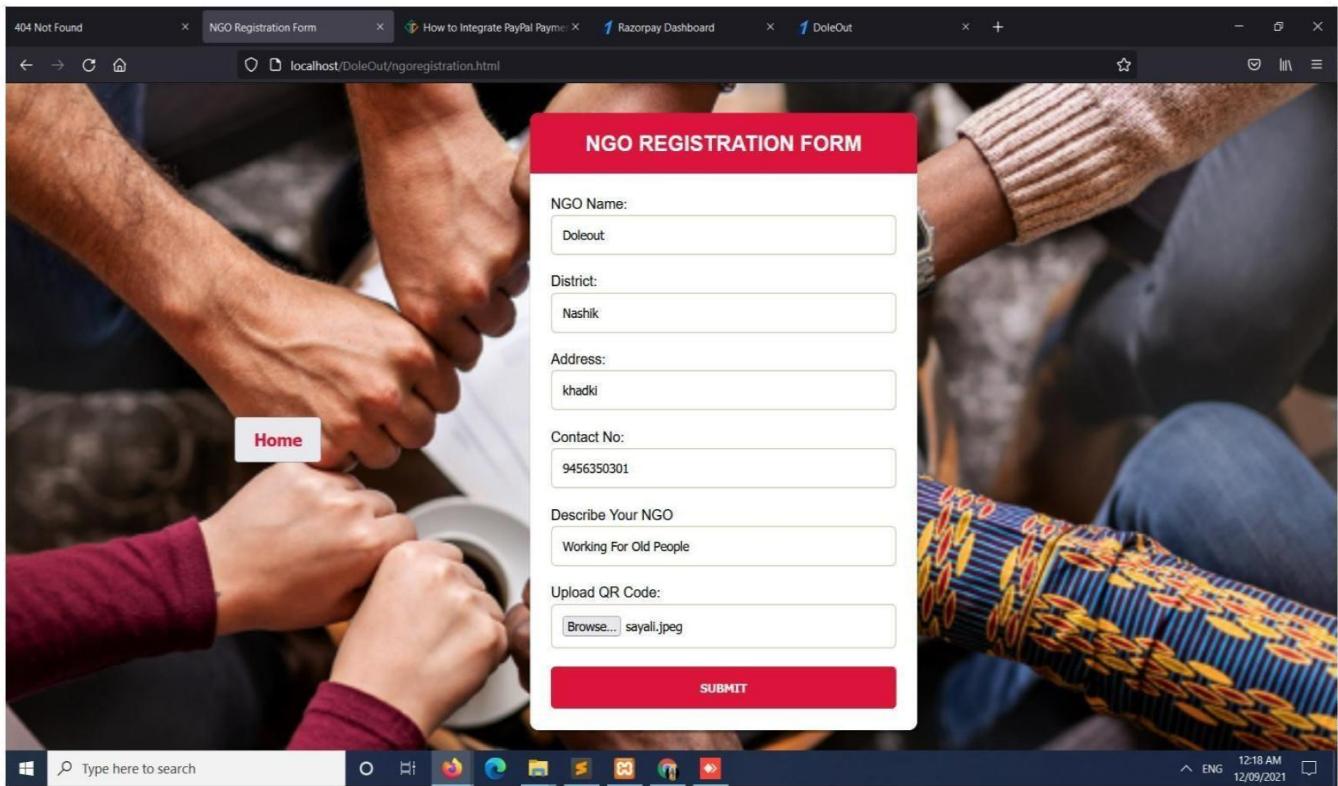
Below the table, there are 'Query results operations' buttons for Print, Copy to clipboard, Export, Display chart, and Create view. There are also 'Bookmark this SQL query' buttons.

The screenshot shows the phpMyAdmin interface for the 'doleout' database. The left sidebar lists databases like 'book', 'doleout', 'information_schema', 'mysql', etc. The 'feedback' table is selected. The main area displays three rows of data:

f_id	Namee	email	feedback
2	Rohan	sawantroahan50@gmail.com	dasfadsdgsgsgs
5	sayali	sayalikanade@gmail.com	sayali
12	sayali	sayalikanade02@gmail.com	good Work

Below the table, there are 'Query results operations' buttons for Print, Copy to clipboard, Export, Display chart, and Create view. There are also 'Bookmark this SQL query' buttons.

NGO Registration And Image Browsing



Member Registration

VOLUNTEER REGISTRATION FORM

Name: Pooja

Address: wadi

Mobile No.: 9145690094

District: Nashik

Gender: Female

Availability: Part Time

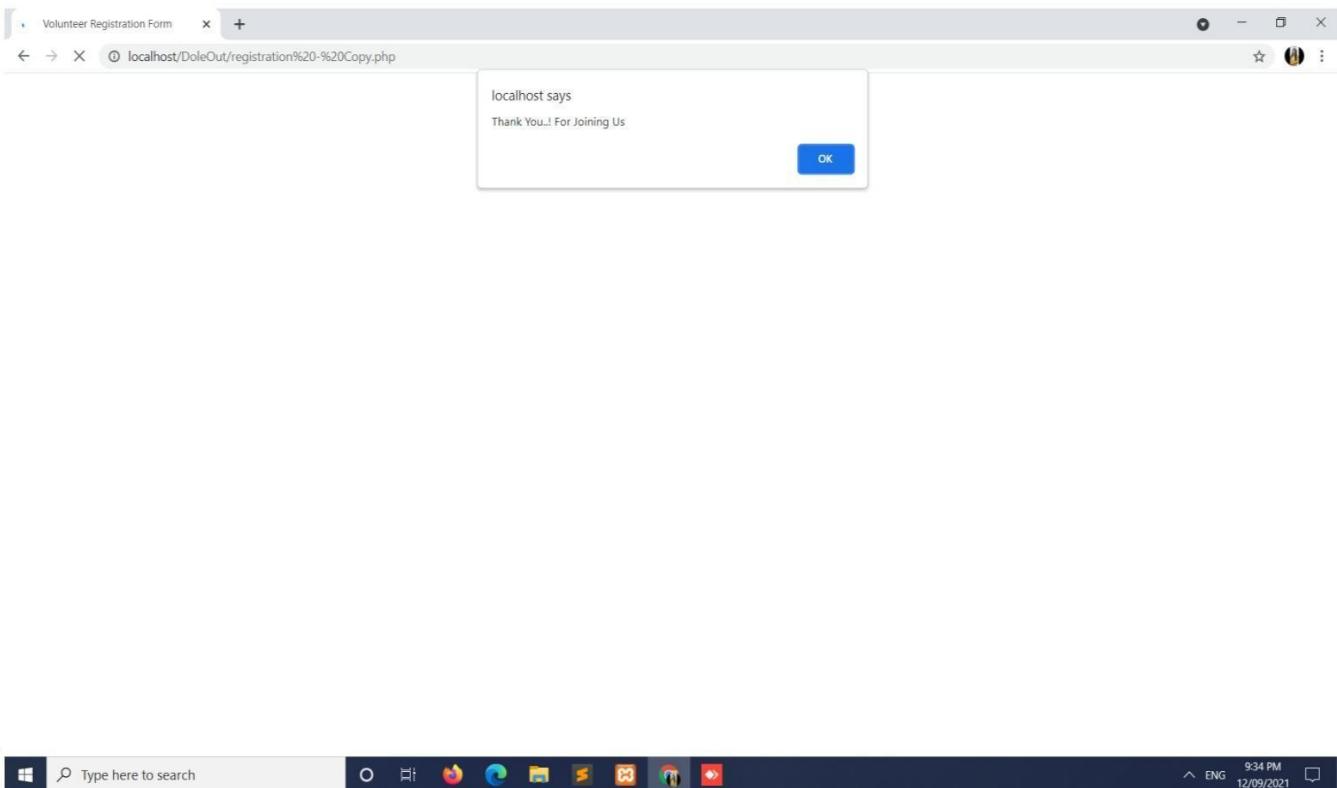
Email: sayalikanade218@gmail.com

Verify E-mail: Enter OTP

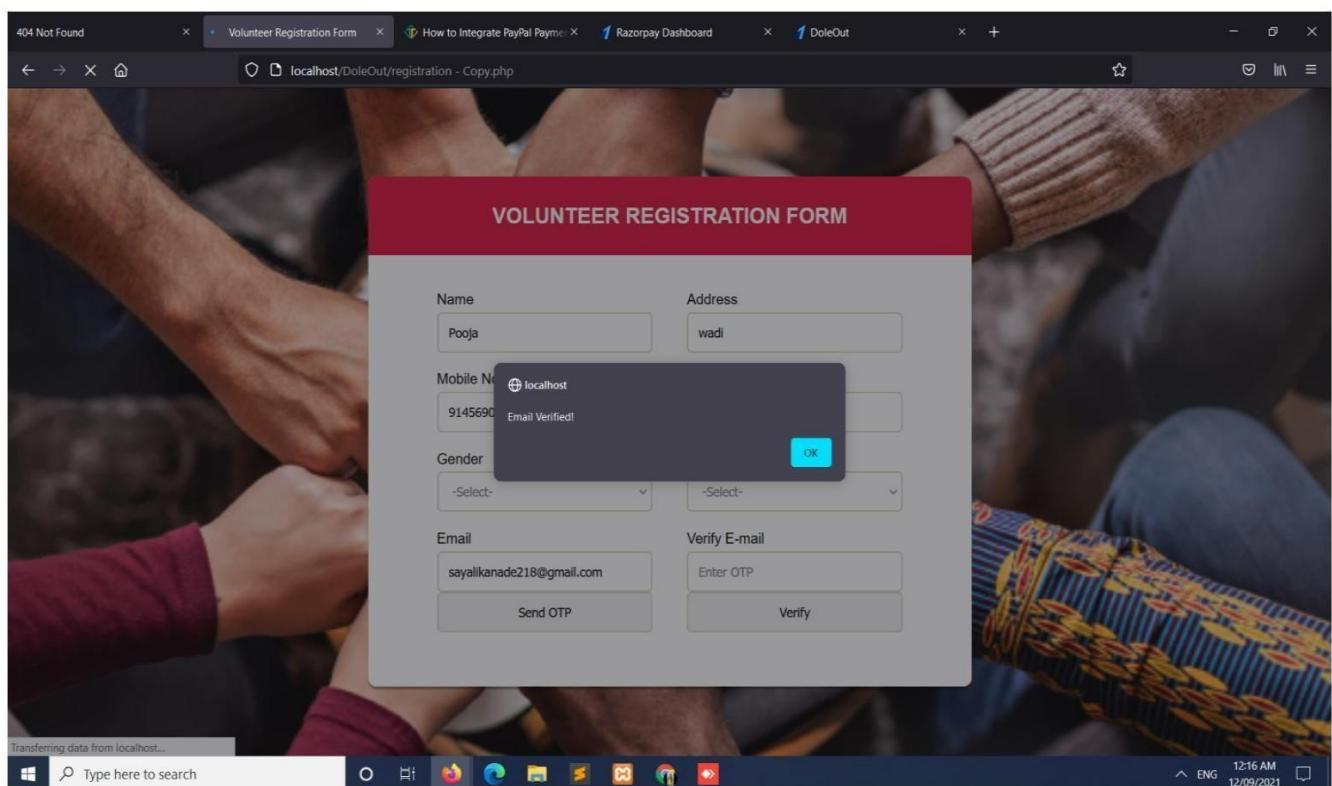
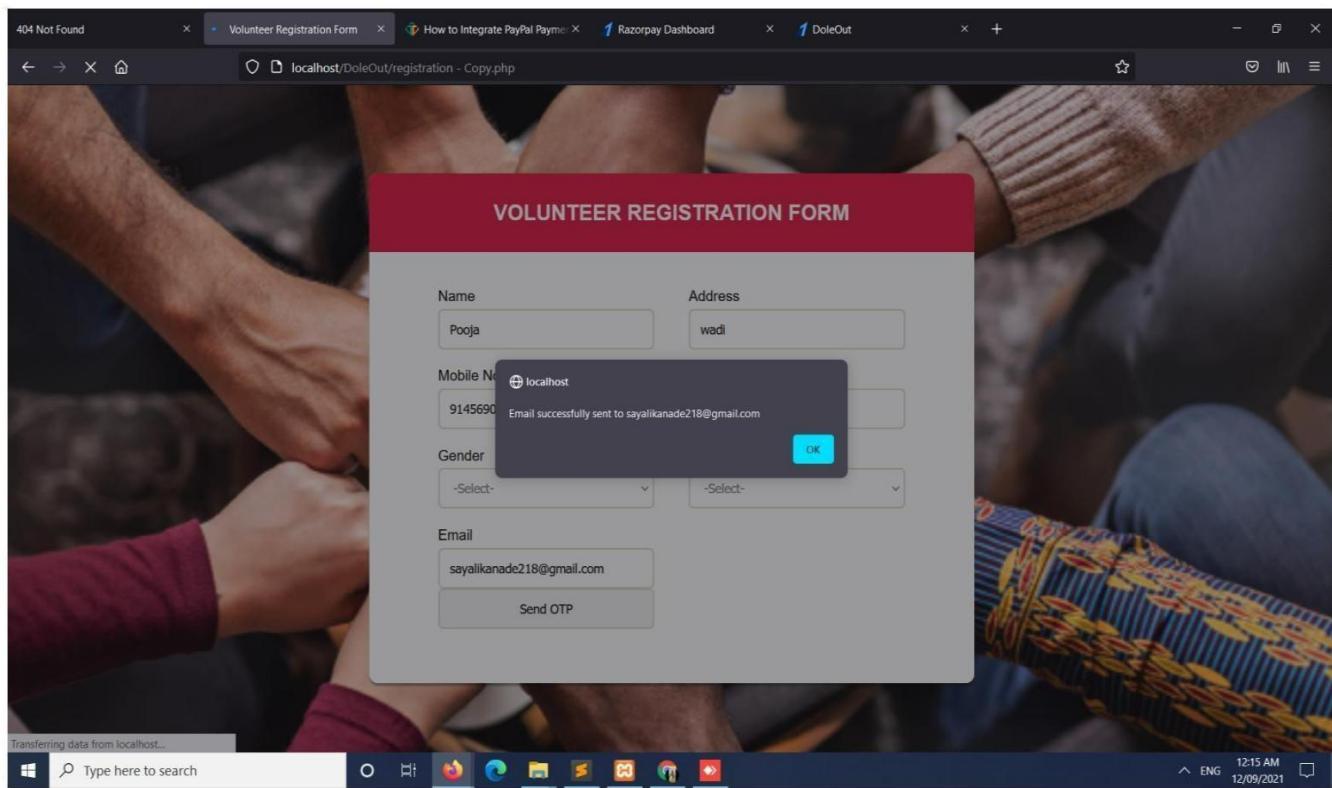
Send OTP

Verify

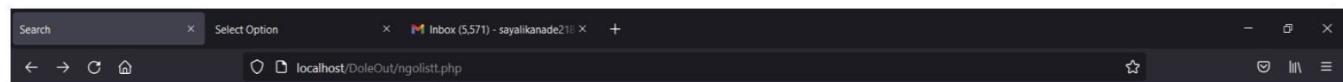
SUBMIT



Email Sent And Email Verified



Donation And Volunteer Search



Full Name: Mobile No:

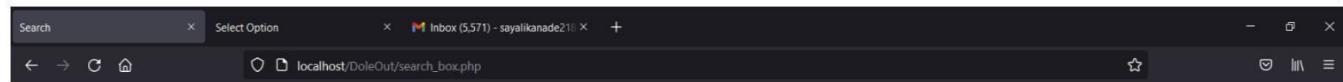
NGO Name: Amount:

Proceed

Search NGO In Your District

Search 

Ngo_ID	Ngo Name	Contact Number	District	Address	Description	Select
36	sayali	559999999	Pune	Pune	ok	<input type="button" value="Select"/>



Search Volunteer In Your District

nashik 

Volunteer ID	Name	Gender	District	Availability	Email-ID	Mobile Number
24	Pooja		Nashik		sayalikanade218@gmail.com	9145690094



Testing

4.1 Importance of testing

- There is major **Importance of testing** in the part of SDLC and it is better to introduce testing in the early stage of SDLC phases so it helps to identify the defects in the early stage & try to avoid the bugs finding & get resolve in the last critical stage.
- Testing should be introduced in the early stage of the SDLC, The cost of fixing the bug is larger if testing is not done in early-stage & bugs found in later stages.
- In today's competitive market only the quality product stays longtime firmly, so to make sure they produce a good quality product the testing of application is a key factor in SDLC.
- As it not possible makes its software application is defect-free but testing will be necessary

4.2 Types of testing

1. Regression Testing

Every time a new data is added leads to changes in the program. This type of testing makes sure that the whole component works properly even after adding components to the complete program.

2. Alpha Testing

This is a type of validation testing. It is a type of acceptance testing which is done before the product is released to customers.

3. Beta Testing

The beta test is conducted at one or more customer sites by the end-user of the software. This version is released for a limited number of users for testing in a real-time environment

4. System Testing

This software is tested such that it works fine for the different operating systems. It is covered under the black box testing technique. In this, we just focus on the required input and output without focusing on internal working.

In this, we have performance testing.

5. Stress Testing

In this, we give unfavourable conditions to the system and check how they perform in those conditions.

4.3 Test cases

- We have done regression testing by adding more than one data in member registration and in NGO registration
- We have done alpha testing by checking whether the Email ID given is in correct format or not. The required fields are filled or not. And also by checking OTP sent to the given Email ID.
- We have done Beta testing tested whether the software is working efficiently on more than one machine

- We have done System testing by checking if the system is working properly on Windows as well as Linux.
- We have done stress testing by giving wrong data and checked how the system reacts. The system gives error in this situation.

Reports

The amount of donation done by the time will be calculated in Report.

A screenshot of a web browser window displaying a report titled "Donations". The report lists five donations with columns for ID, Name, Mobile No., Donated To, and Amount Donated. The total amount donated is 60000. There is a "Back to dashboard" button at the bottom.

ID	Name	Mobile No.	Donated To	Amount Donated
3	taiyab	9219210393	Asha	10000
11	Luffy	9211012341	Smile	5000
12	Luffy	9921015011	Smile	5000
24	sdass	9921015016	Smile	30000
32	Ruturaj Kamble	9921946932	Umeed	10000

Total Amount Donated: 60000

[Back to dashboard](#)



Drawbacks and limitations

Drawbacks

- The information of registered members is available to everyone. There is no security for their data.
- Too short description of NGO's.
- There is no other option of online banking as we are accepting donations via QR Code only.

Limitations

- We are not providing much details about working of a particular NGO.
- There is no scope for regular donations like monthly donors etc.
- NGO's have no access to the information of donors.

Future enhancement and conclusion

Future Enhancement

- This project is of basic level and there is a scope for future modifications which will enhance its functionality.
- We can make an android application of this website so it will be more user friendly and efficient.
- We can add a feature where not just for an organization but we can help people at individual level. An individual can make his/her own profile and ask for the kind of help required.
- We can also add the feature for monthly donation for regular donors.
- We can add security to data of registered members.

Conclusion

- The basic idea behind creating this project was to help in making the process of donation easy and flexible for everyone which is achieved successfully.
- Our project is fulfilling the basic requirements of both the users which will save their time, but we can also add few features which will make the process smoother.
- We learnt the very basic of creating a web application.
- We learnt different things that one must keep in mind to achieve a quality software.
- The project helped us in knowing our software-making capabilities and the areas where we are lacking that we hope to overcome in the subsequent software projects.

Bibliography

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