SOCIAL WELFARE WEBSITE

Submitted in partial fulfillment of the requirements of the degree of

BACHELOR OF COMPUTER ENGINEERING

by

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Guide:

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A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE

(2024-2025)

A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE

CERTIFICATE

This is to certify that the Mini Project 1B entitled "**SOCIAL WELFARE WEBSITE**" is a bonafide work of **"Vaishnavi Ganesh Khule (23102001), Riya Arun Koli (23102090), Eshani Pravin Jain (23102149), Sanika Swapnil Jayawnt (23102031)"** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **Bachelor of Engineering** in **Computer Engineering.**

Guide	Project Coordinator	Head of Department
Prof. S.S.Aloni	Prof. Deepali Kayande	Dr. S. H. Malave

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Project Report Approval for Mini Project- 1B

This project report entitled "**SOCIAL WELFARE WEBSITE"** by ***Vaishnavi Ganesh Khule, Riya Arun Koli, Eshani Pravin Jain, Sanika Swapnil Jayawant*** is approved for the partial fulfillment of the degree of ***Bachelor of Engineering*** in ***Computer Engineering***, ***2024-25.***

Examiner Name Signature

1._____ _____

2._____ _____

Date:

Place:

Declaration

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Vaishnavi Ganesh Khule – 23102001

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Date:

Abstract

Social welfare plays a crucial role in enhancing the well-being of individuals and communities, particularly those who are vulnerable or marginalized. This research centers on designing and developing a social welfare website that bridges the gap between service providers and beneficiaries by facilitating easy access to resources such as clothes, stationery, and food donations. The research focused on analyzing user requirements to design a website that addresses key concerns, including the complexity of accessing services and the lack of centralized information. The platform offers a user-friendly interface with easy navigation, providing users with a verified list of organizations, clear descriptions of supported causes, and transparent information on how donations are utilized. The findings underscore the importance of user-centered design in social welfare services, emphasizing that a well-structured, accessible platform can enhance transparency, extend the reach of welfare services, and improve the overall user experience for beneficiaries. This approach highlights the potential of digital platforms to transform the accessibility and effectiveness of social welfare initiatives.

Keywords: ……

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Chapter 1
Introduction

We believe that everyone deserves access to essential services, including clothes, food assistance, and education related stationery. Our mission is to simplify the process of finding and applying for social welfare programs, ensuring that help is just a click away. Our website addresses these issues by offering a user-friendly interface, easy navigation, provide a list of verified organizations, clear descriptions of the causes they support, and transparent information about how donations are used.

- Provides the donors clear, transparent information about various causes and how their contributions make an impact.
- It displays the information of various NGOs(Non-Govermental Organization) nearby Thane city.
- This information includes the NGOs where there is a need of clothes,food,and stationery for educational purposes for the underprivileged.
- It aims to simplify the donation process, build trust through transparency, and empower users to support specific causes they care about, ultimately increasing charitable contributions and aiding in social welfare efforts.

Key Features of Our Website:

- User-Friendly Interface: The website is designed with a simple, intuitive interface that allows users to quickly access the information they need.
- Verified NGOs : The website has lists of NGOs which are verified and has certified.
- API Locations : The user can easily locate the locations of the NGOs from the website itself.
- Detailed information of NGOs : The user can easily get the contact,address,NGOs official website links and email.

Chapter 2

Literature Survey

1. Smith and Johnson et al., “The Role of NGOs in Social Change,” 2020.
   This paper provides a foundational analysis of the impact of NGOs on social change, highlighting their ability to address critical societal needs through targeted initiatives. It discusses the strategic approaches NGOs use to drive transformation in marginalized communities, emphasizing their role in advocacy, policy influence, and direct assistance.A Review on Job Portal- A Web Application for Distributed Clients Pooja T. Killewale1, Prof A.R. Mune.
2. Patel et al., “Digital Platforms and NGO Outreach Effectiveness,” 2021.
   This study explores how digital platforms have revolutionized NGO operations, improving their outreach and effectiveness. It examines how technology enables NGOs to connect with a broader audience, streamline communication, and optimize resource allocation, ultimately leading to greater social impact.
3. Brown and Lee et al., “Challenges in NGO Database Management,” 2022.
   The paper discusses the challenges NGOs face in developing and maintaining databases that store beneficiary information and track available resources. It highlights issues such as data security, integration complexities, and the need for efficient data management systems to ensure reliable and accessible information storage.
4. Nguyen et al., “Application Programming Interfaces (APIs) in Social Welfare,” 2020.
   This research examines how APIs enhance the efficiency of resource allocation in social welfare initiatives. It explores the role of APIs in automating data exchange, integrating different technological systems, and improving the distribution of aid by ensuring timely and accurate information flow between NGOs and service recipients.
5. Turner et al., “The Role of APIs in NGO Operations,” 2021.
   This study discusses the transformative impact of APIs on NGO service delivery. It highlights how APIs improve interoperability between different platforms, streamline operational workflows, and enhance the automation of repetitive tasks, ultimately improving service

efficiency and scalability.

Research Paper	ANALYSIS
1. Smith and Johnson et al., "The Role of NGOs in Social Change," 2020.	This paper highlights NGOs as key drivers of social change through advocacy, policy reform, and direct service delivery. It emphasizes the role of digital tools in expanding NGO outreach and efficiency while addressing challenges like financial constraints, bureaucratic barriers, and the digital divide.
2.Patel et al., "Digital Platforms and NGO Outreach Effectiveness," 2021.	This paper examines how digital platforms enhance NGO outreach by improving communication, resource allocation, and engagement with beneficiaries and donors.
3. Brown and Lee et al., "Challenges in NGO Database Management," 2022.	This paper explores the difficulties NGOs face in managing databases, including data security, integration issues, and maintaining accurate beneficiary records.
4. Nguyen et al., "Application Programming Interfaces (APIs) in Social Welfare," 2020.	It highlights the role of automation in improving service efficiency, reducing manual workload, and ensuring aid reaches those in need more effectively. The study underscores the importance of API integration for enhancing transparency and operational scalability in NGOs.
5. Turner et al., "The Role of APIs in NGO Operations," 2021.	This paper explores how APIs enhance NGO operations by improving data interoperability, automating workflows, and optimizing service delivery.

Chapter 3

Problem Statement, Objective & Scope

Problem Statement: -

To simplify the donation process, build trust through transparency, and empower users to support specific causes they care about, ultimately increasing charitable contributions and aiding in social welfare efforts.

Many people want to donate for social welfare causes, but they often struggle to find trustworthy organizations or clear information on how their donations will be used. Additionally, donors may want to contribute to specific causes or see the impact of their donations.The goal is to create a website that makes it easy for people to donate to social welfare programs. This website will provide a list of verified organizations, clear descriptions of the causes they support, and transparent information about how donations are used.

Objective: -

- To create a user-friendly platform that connects donors with verified social welfare organizations.
- Providing the donors clear, transparent information about various causes and how their contributions make an impact.
- The website aims to simplify the donation process, build trust through transparency, and empower users to support specific causes they care about, ultimately increasing charitable contributions and aiding in social welfare efforts.
- This objective focuses on making the donation process easy and transparent, building trust, and encouraging more people to donate**.**

Scope: -

- The platform will feature a user-friendly interface with simple and intuitive navigation, along with a friendly design to ensure accessibility for users of all backgrounds.
- Contact and engagement will be enhanced by providing direct contact options, including email, phone, and website links, as well as integrating maps to display the locations of NGOs.
- Additionally, the platform will prioritize NGO verification and trust by registering and certifying NGOs, ensuring that users can connect with reputable and trustworthy organizations.

Chapter 4

Proposed System Architecture

- **Description of Proposed System:**

Introduction:

This system is developed to streamline and digitize the interaction between the public and NGOs by offering a centralized online platform. The core goal is to bridge the gap between NGOs and the community, making it easier for users to discover NGOs, make donations, and participate in social welfare activities and events. Through this system:

1. Users can easily browse and search for registered NGOs based on location, cause, or event types. They can view detailed profiles, upcoming events, and contribute via donations.
2. NGOs (Admins) are provided with a secure login portal to manage their organization's profile.

This project empowers NGOs by giving them complete control over their event and donation management, reducing manual paperwork and communication delays. It ensures transparency, accessibility, and enhances community engagement through a well-structured web-based platform.

System Modules and Workflow:

A. Home Module:

Acts as the main landing page from which users can navigate to other modules like: Find NGOs, Donate,Events, Login.

B. Find NGOs Module: This module helps users locate NGOs they may wish to support.

1. Search Engine: Allows users to input keywords (e.g., location, cause, name) to search for NGOs.
2. List of NGOs:Displays NGOs matching the search criteria.

C. Donation Module:Enables users to donate to selected NGOs through a structured process.

1. Enter NGO Name:Users manually input or select the NGO they wish to donate to.

2. Donation Form :Users provide donation details including type donation,quantity donor contact information.

3. Confirm Donation:Users review and confirm all donation details before submission.
4. Pickup/Drop:Users can schedule a pickup (NGO will collect the donation), or choose to drop it off themselves.
5. Donation Saved:Final confirmation message donation is saved in the system for NGO review.

D. Events Module:Displays and manages events organized by NGOs.

1. Upcoming Events List**:Shows a list of future events and may be filtered by location, date, or cause.
2. Event Details:Clicking an event reveals detailed information such as date and time,location,description,NGO hosting the event.

E. Login Module:Designed for NGO representatives to access the backend dashboard.

1. NGO Dashboard:Provides tools for NGOs to manage donations and events.

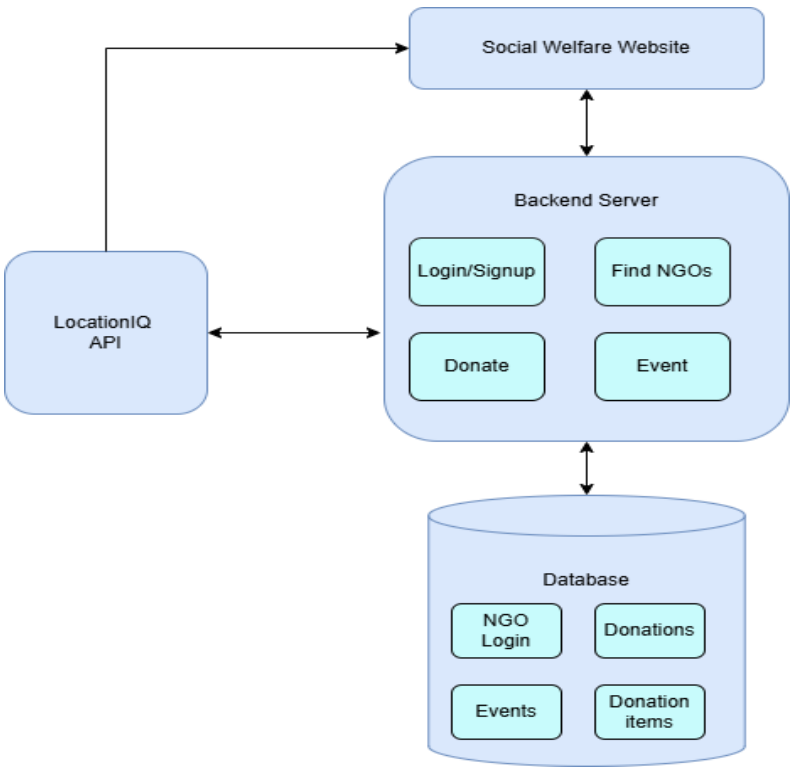
F. NGO Dashboard Functionalities:

1. View Donations:NGOs can review donation requests submitted by users.
   Accept:Marks the donation as approve and initiates pickup/drop process.
   Decline: Marks the donation as rejected.
2. Add Events:NGOs can input and post new upcoming events.
   Event form may include title,description,date/time,location.

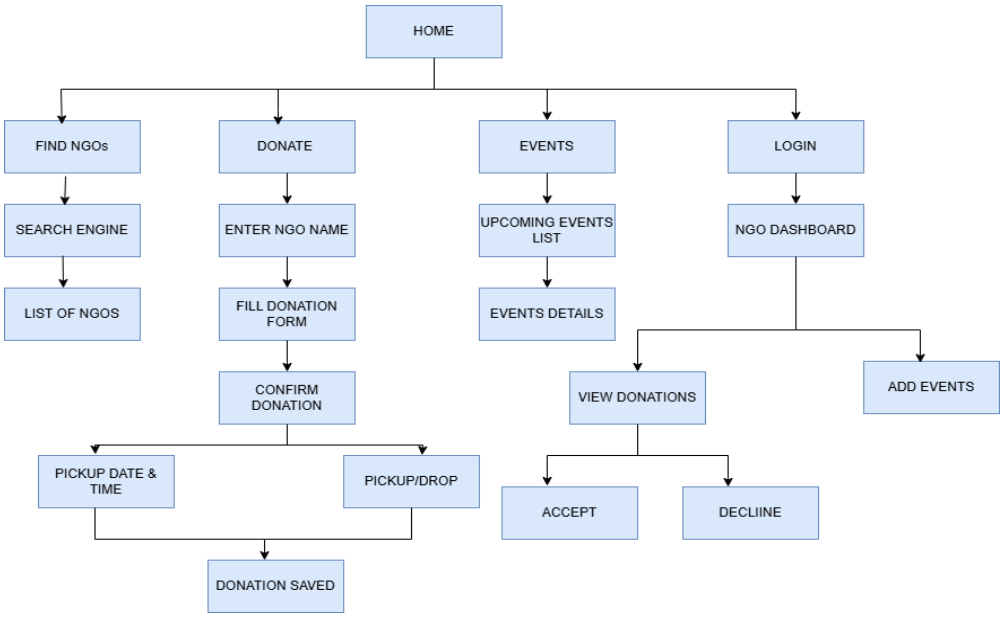
Key Features & Benefits:

- User-Friendly Interface: Intuitive navigation for users and NGOs.
- NGO Interaction: Enables two-way communication through donation approvals and event participation.
- Event Promotion: Helps NGOs spread awareness and boost attendance.
- Efficient Scheduling: Pickup/drop options make logistics simpler for donors and NGOs.

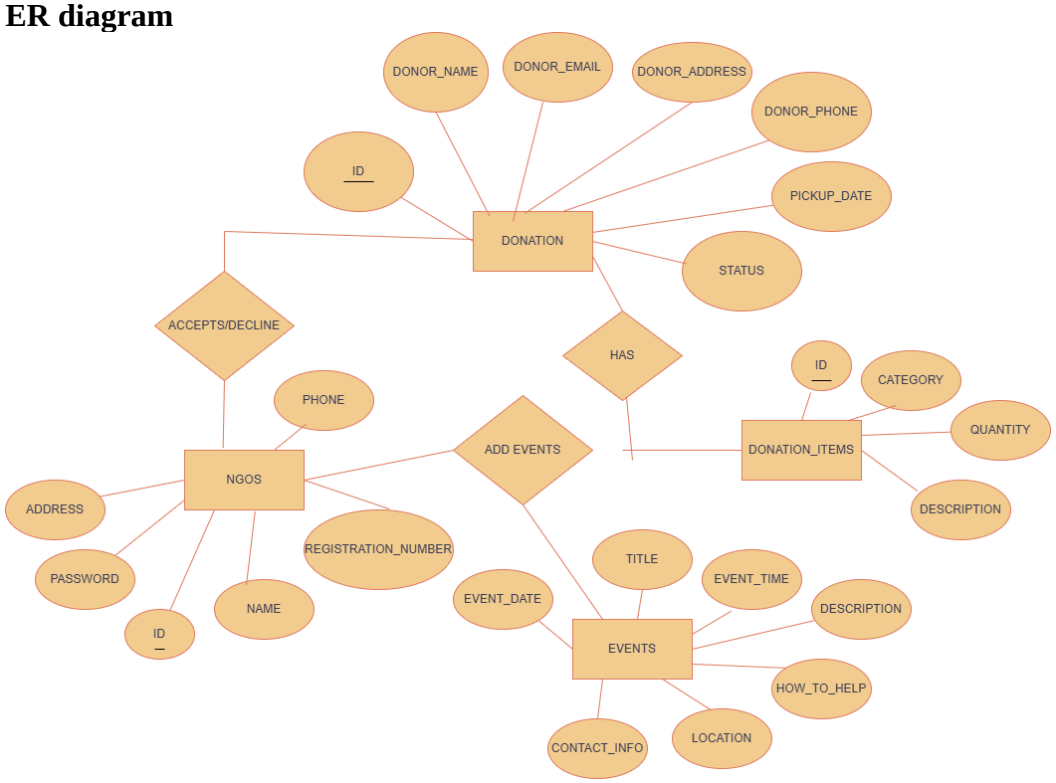
- **Architecture / Block Diagram**



- **Flowchart**



- **ER diagram**



- **Relational Schema**

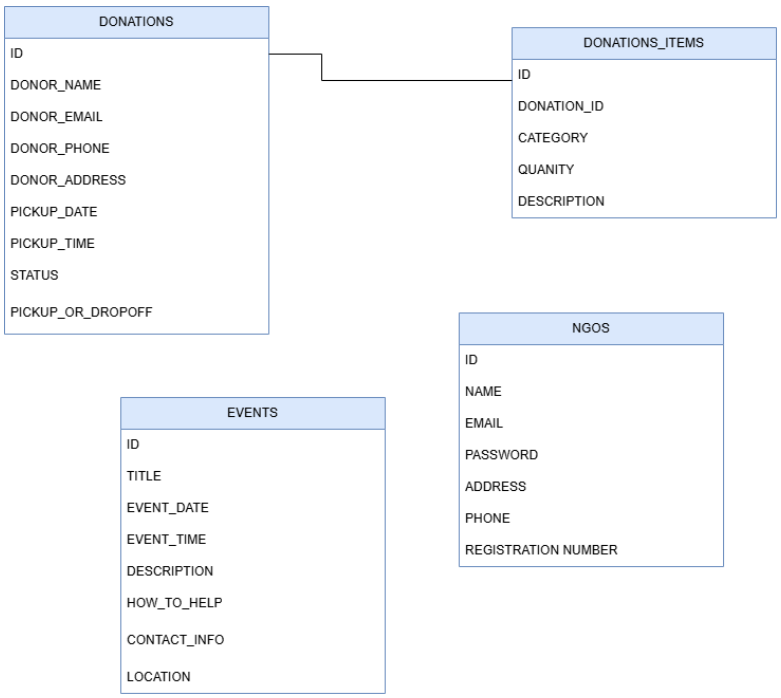
ID	DONOR_NAME	DONOR_EMAIL	DONOR_PHONE	DONOR_ADDRESS	PICKUP_DATE	PICKUP_OR_DROP	STATUS

ID	DONATION_ID	CATEGORY	QUANTITY	DESCRIPTION

ID	NAME	EMAIL	PASSWORD	ADDRESS	PHONE	REGISTRATION_NUMBER

ID	TITLE	EVENT_DATE	EVENT_TIME	DESCRIPTION	HOW_TO_HELP	LOCATION	CONTACT_INFO

- **Schema design**



- **Data dictioanary**

DONATIONS

COLUMN	TYPE	DESCRIPTION
ID	INT	UNIQUE DONATION ID
DONOR_NAME	VARCHAR(255)	NAME OF THE DONOR
DONOR_EMAIL	VARCHAR(255)	EMAIL OF THE DONOR
DONOR_PHONE	VARCHAR(255)	PHONE NUMBER
DONOR_ADDRESS	TEXT	ADDRESS OF THE DONOR
PICKUP_DATE	DATE	SCHEDULED PICKUP DATE
PICKUP_TIME	TIME	SCHEDULED PICKUP TIME
PICKUP_OR_DROPOFF	ENUM	MODE OF DONATION
STATUS	ENUM	DONATION STATUS

DONATION_ITEMS

COLUMN	TYPE	DESCRIPTION
ID	INT(PK)	ITEM ID
DONATION_ID	INT(FK)	LINKED DONATION ID
CATEGORY	VARCHAR(100)	ITEM CATEGORY
QUANTITY	INT	QUANTITY DONATED
DESCRIPTION	TEXT	OPTIONAL DESCRIPTION

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COLUMN	TYPE	DESCRIPTION
ID	INT(PK)	EVENT ID
TITLE	VARCHAR(255)	EVENT TITLE
EVENT_DATE	DATE	DATE OF THE EVENT
EVENT_TIME	TIME	TIME OF THE EVENT
DESCRIPTION	TEXT	EVENT DESCRIPTION
HOW_TO_HELP	TEXT	WAYS TO HELP
LOCATION	VARCHAR(255)	LOCATION OF THE EVENT
CONTACT_INFO	VARCHAR(255)	CONTACT PERSON/INFO

NGOS

COLUMN	TYPE	DESCRIPTION
ID	INT(PK)	NGO ID
NAME	VARCHAR(255)	NGO NAME
EMAIL	VARCHAR(255)	LOGIN EMAIL
PASSWORD	VARCHAR(255)	HASHED PASSWORD
ADDRESS	TEXT	NGO ADDRESS
PHONE	VARCHAR(20)	PHONE NUMBER
REGISTRATION_NUMBER	VARCHAR(100)	REGISTERED ID

EVENTS

COLUMN	TYPE	DESCRIPTION
ID	INT(PK)	EVENT ID
TITLE	VARCHAR(255)	EVENT TITLE
EVENT_DATE	DATE	DATE OF THE EVENT
EVENT_TIME	TIME	TIME OF THE EVENT
DESCRIPTION	TEXT	EVENT DESCRIPTION
HOW_TO_HELP	TEXT	WAYS TO HELP
LOCATION	VARCHAR(255)	LOCATION OF THE EVENT
CONTACT_INFO	VARCHAR(255)	CONTACT PERSON/INFO

Chapter 5

Project Planning

5.1

Chapter 6

Experimental Setup

- Software Requirements:-

1) HTML (HyperText Markup Language):
   HTML provides the basic structure of the website. It's used to create elements like buttons, forms, text fields, images, and links. For a social welfare website, HTML helps create pages for service listings, assistance request forms, user profiles, and donation portals.
2) CSS (Cascading Style Sheets):
   CSS styles the content structured by HTML. It ensures the website looks appealing, and is responsive across different devices (desktops, tablets, smartphones). It defines the layout, colors, fonts, and spacing to ensure a clean and accessible design. It is used to speed up development with pre-built components.
3) JavaScript:
   JavaScript adds interactivity and dynamic elements to the site. For example, it power search filters for finding NGOs by display the lists of NGOs through search engine.
4) MySQL: is a widely-used relational database management system (RDBMS) that organizes data in tables with rows and columns, ensuring structured, efficient storage and retrieval of information. For a social welfare website, managing data related to beneficiaries requires a reliable, secure, and scalable system. MySQL can effectively handle these needs, ensuring that only verified, certified, and active data is stored.
5) LocationIQ API : APIs enable the social welfare site to integrate with external services or offer its own data to other platforms. f the platform provides location-based services, such as finding nearby shelters or assistance programs, the LocationIQ API can be used to display interactive maps.

- Hardware Requirements: -

1) CPU: Intel Core i5
2) RAM: 8GB
3) STORAGE: 256 GB SSD
4) OS: Microsoft Windows 11 Home Single Language

Chapter 7

Implementation Details

The Social Welfare Website has been designed to bridge the gap between donors, volunteers, and social welfare organizations. This website consists of multiple modules to facilitate donations, user interactions, and administrative control. The implementation uses a combination of modern web development technologies and best practices to ensure security, scalability, and usability.

- User Authentication Module

Function: Allows users to register, log in, and securely access personalized features.

Technologies Used: Frontend: HTML5, CSS3, JavaScript

Backend: PHP

Database: MySQL

Security: Password encryption.

API: LocationIQ API for gecoding.

- Donation Module

  Function: Enables users to make donations which includes grocery,clothes,etc.

  Technologies Used:Frontend: HTML, CSS

  Backend: PHP

  Database: MySQL

- Admin Dashboard Module

  Function: Allows administrators to manage users, donations, content.

Technologies Used:Frontend: HTML, CSS

Backend: PHP

Database: MySQL

Features: Accept/Decline user's donations, view donation status.

- Events

Function: Provides the latest updates of NGO activities, and events.

Technologies Used: Frontend: HTML, CSS

Backend: PHP

Database: MySQL

Backend: PHP

- API Integration

Function: Connects third-party services that is LocationIQ to find NGOs.

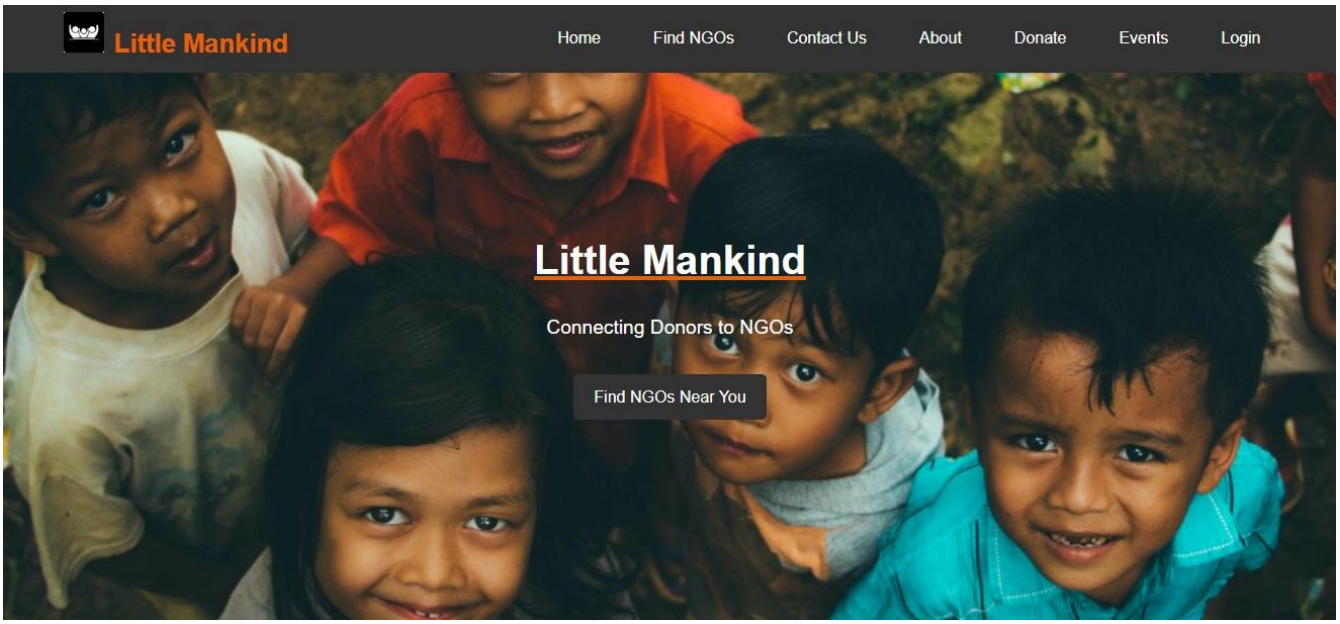
Technologies Used:LocationIQ for Geocoding

JSON format for request/response handling

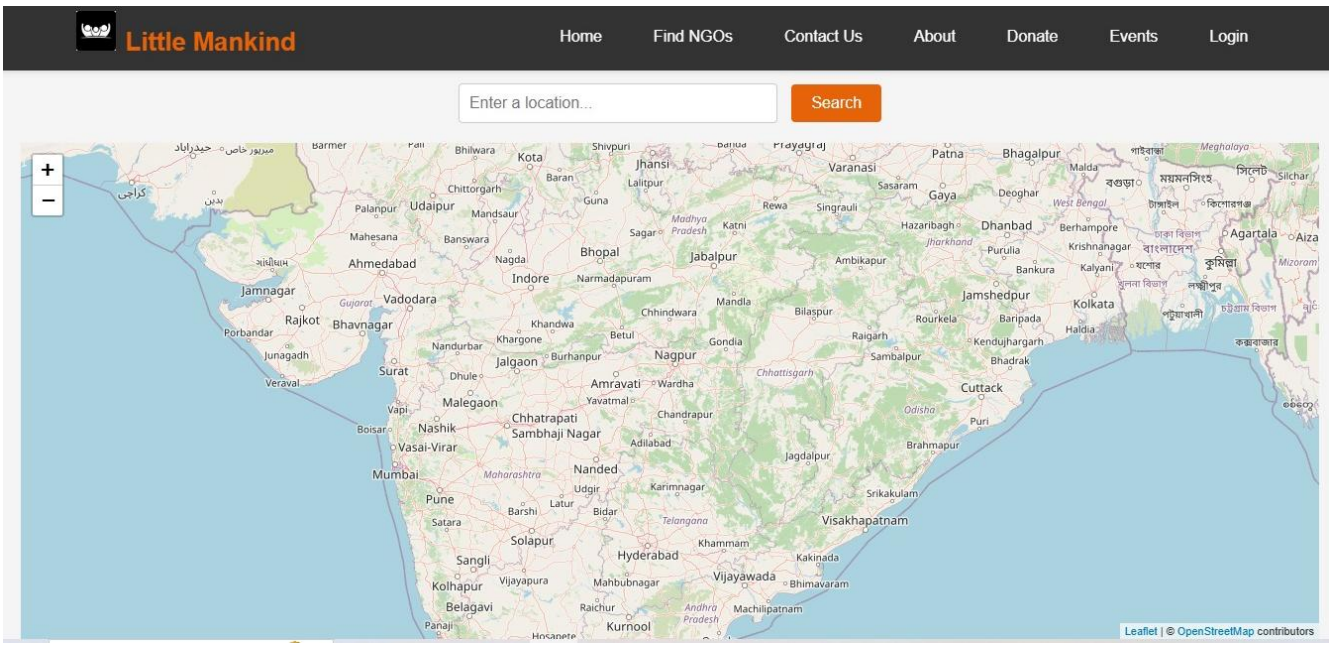
JavaScript for frontend API calls

Chapter 8

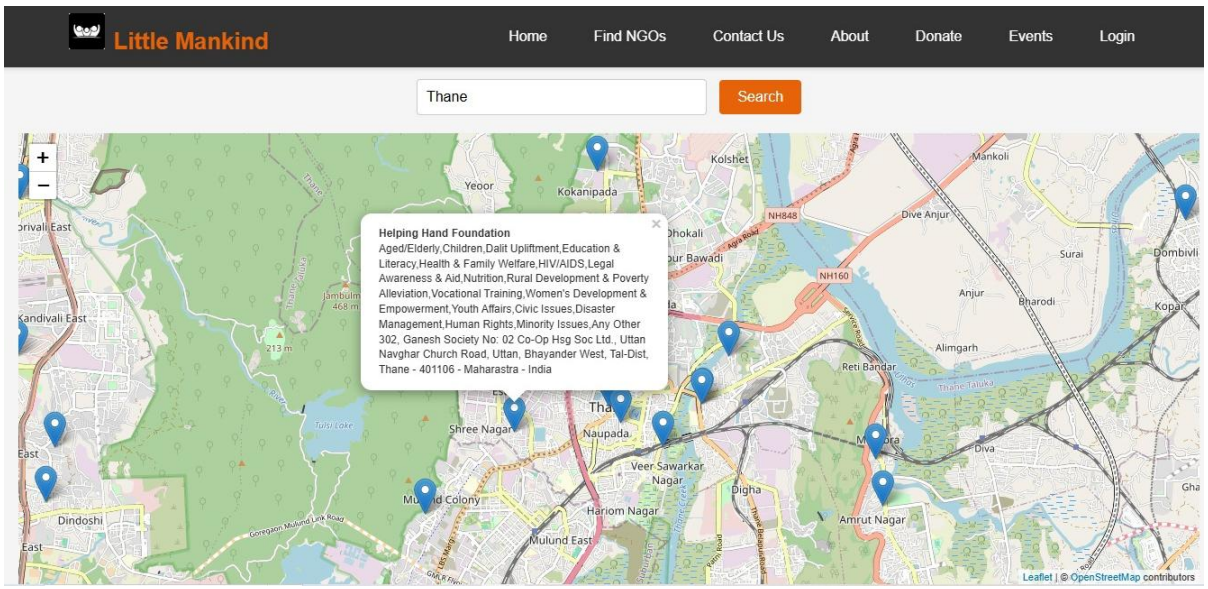
Result



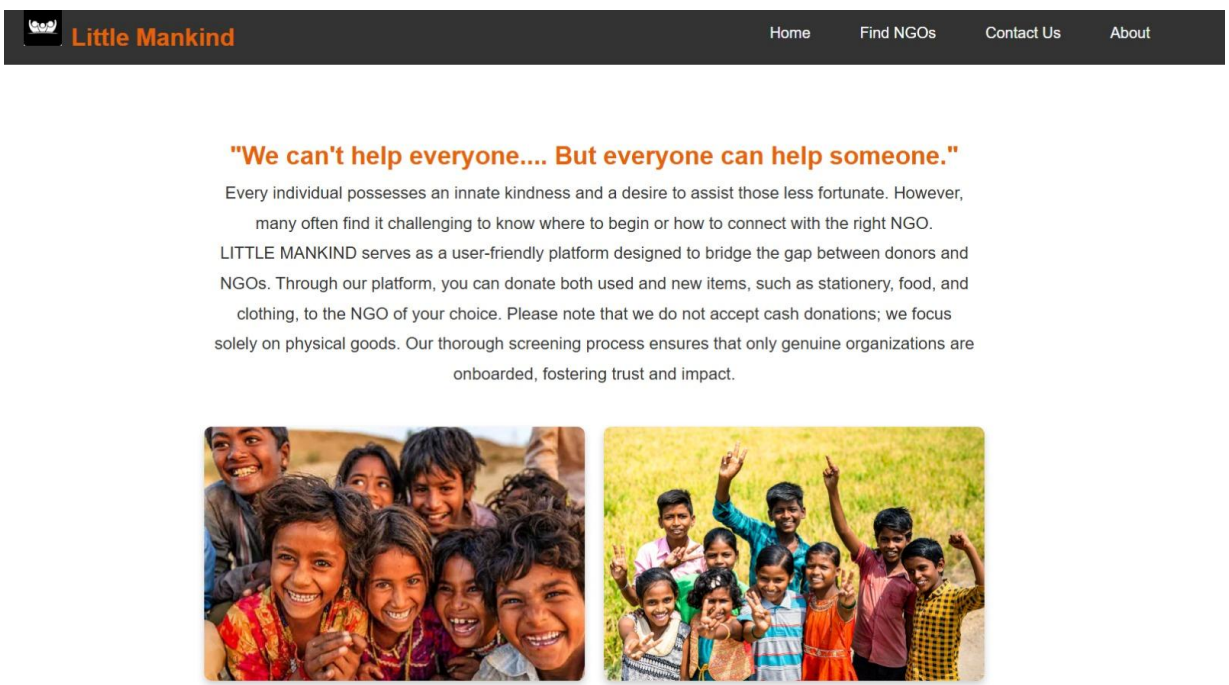
8.1 LOGIN



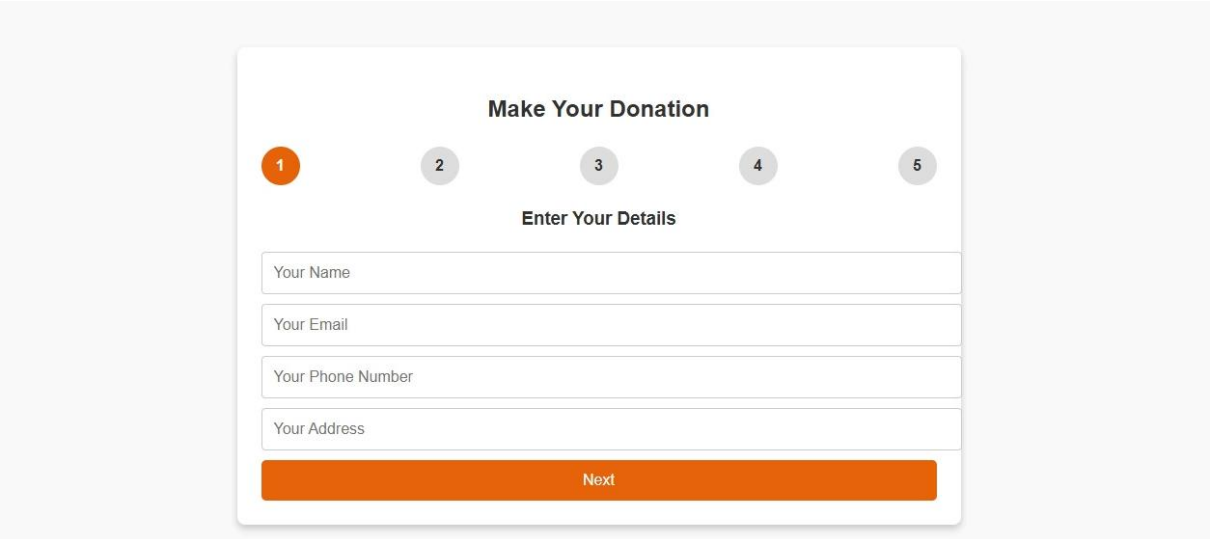
8.2 FIND NGOs



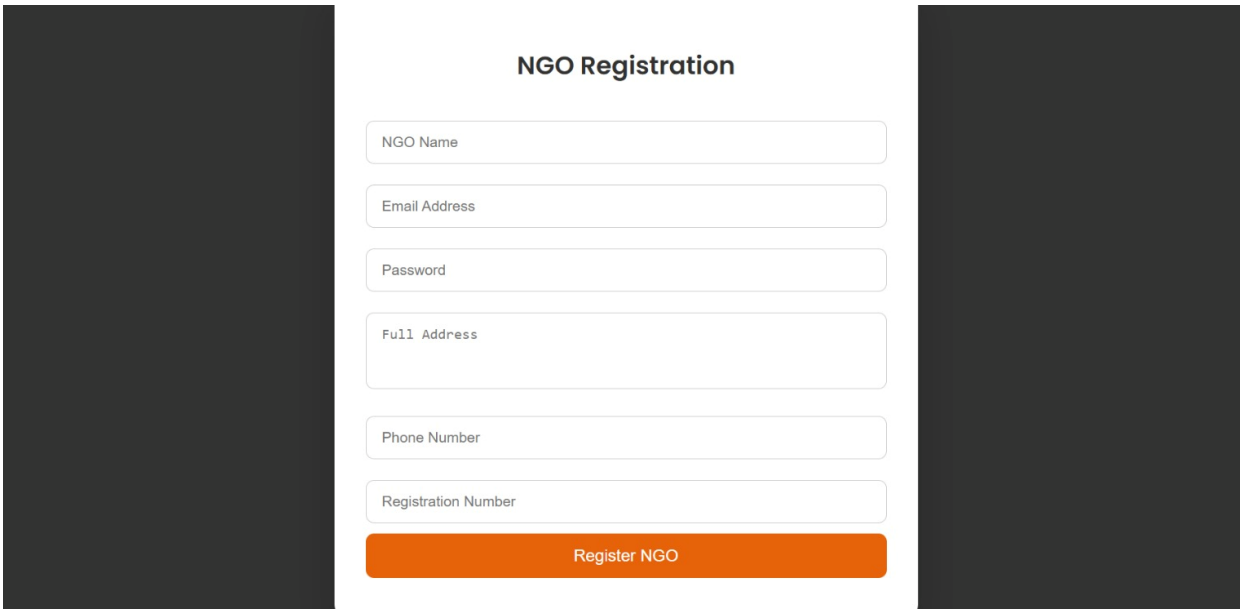
8.3 FIND NGOs Details



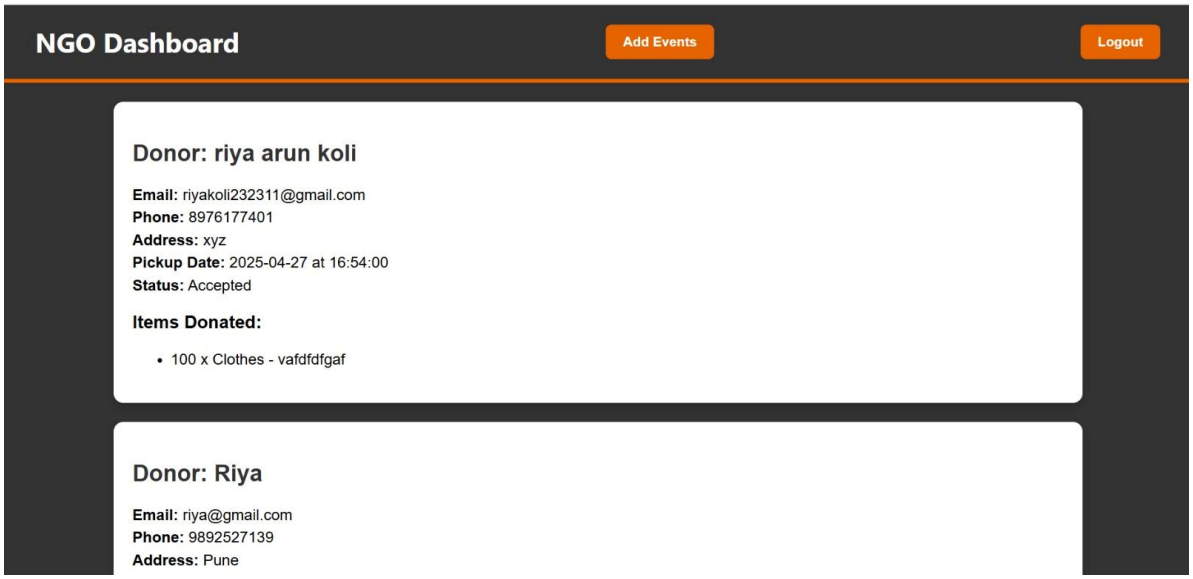
8.4 ABOUT US



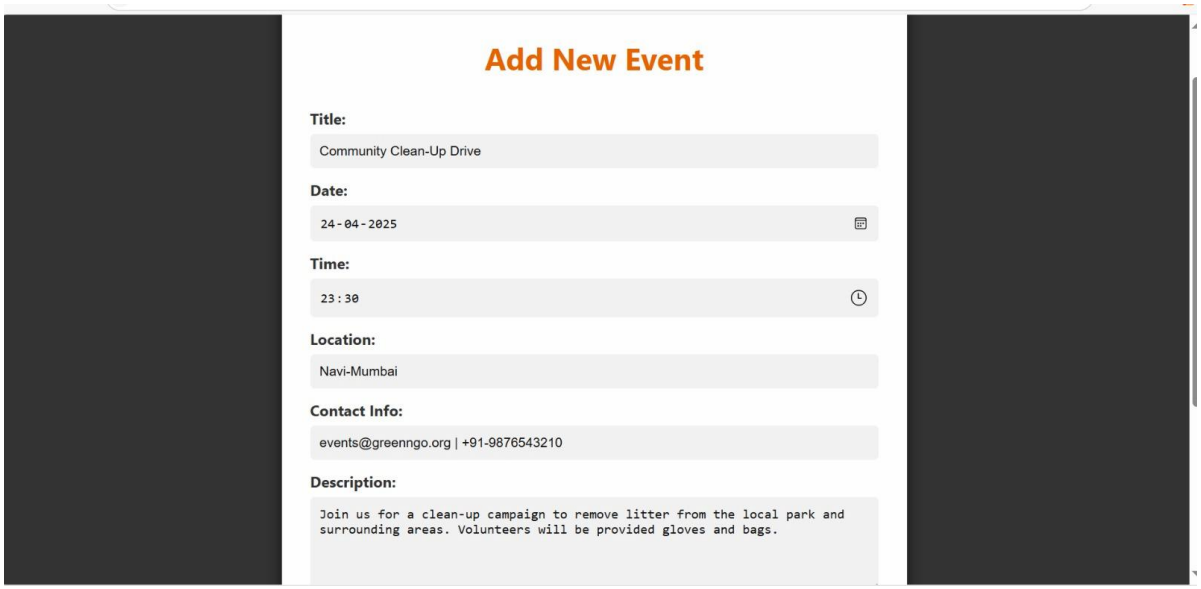
8.5 DONATION



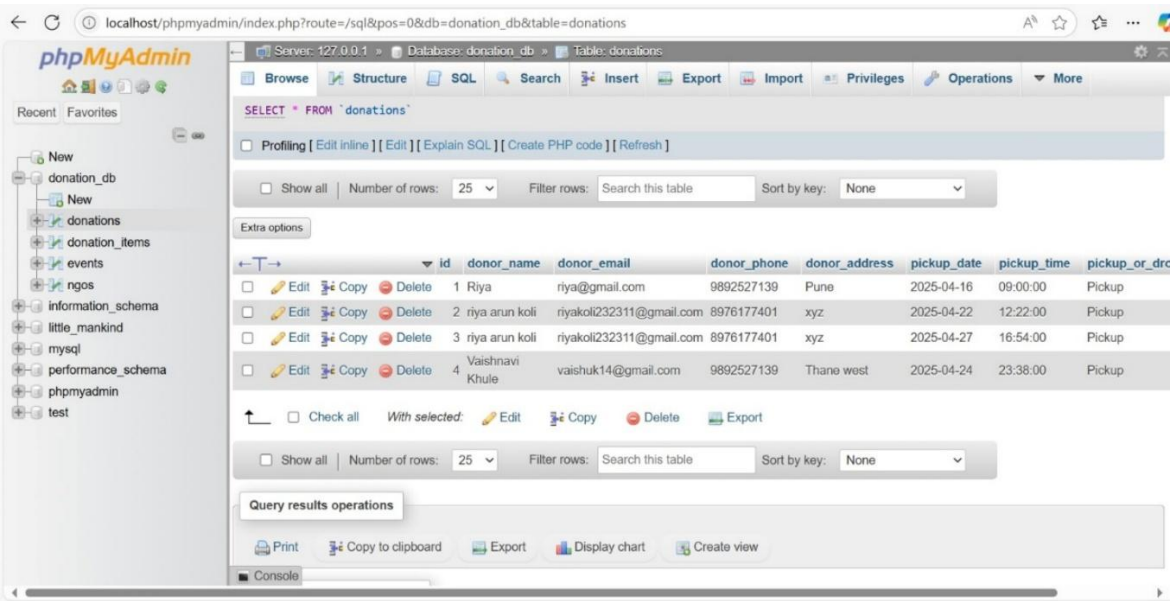
8.6 ADMIN



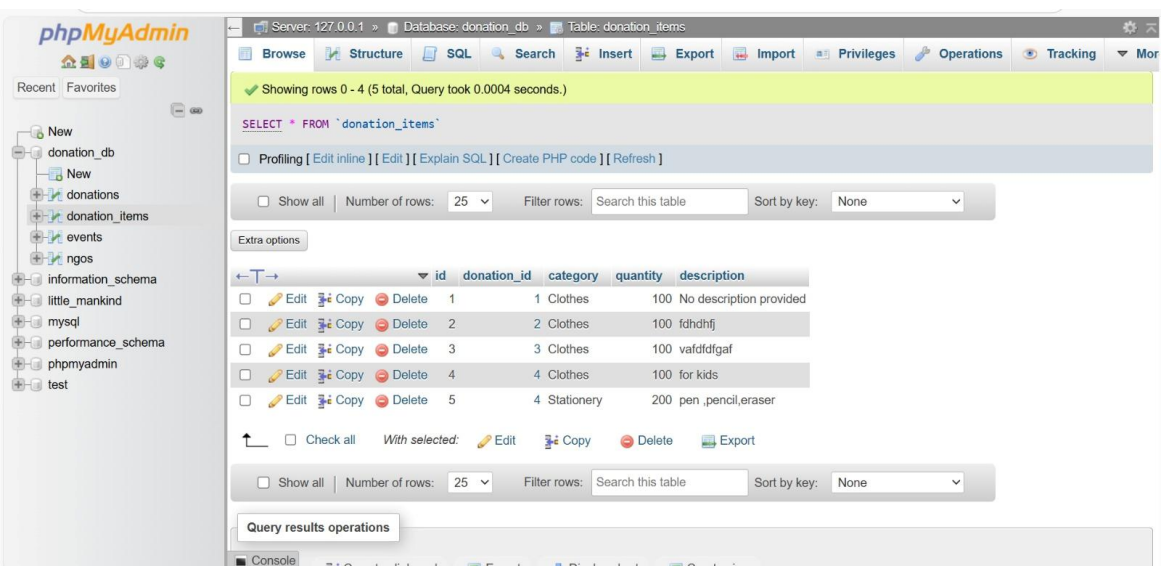
8.7 NGO DASHBOARD



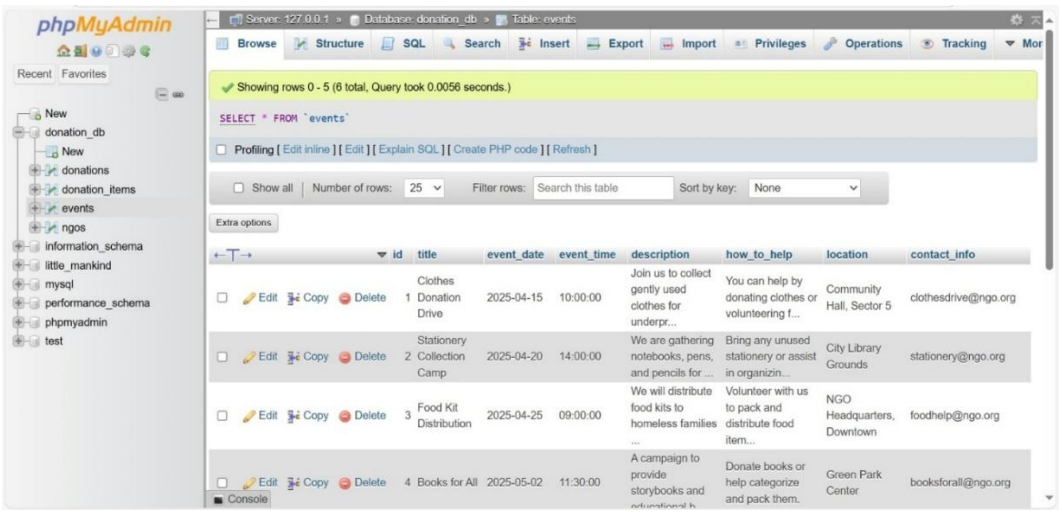
8.8 ADD EVENTS PAGES



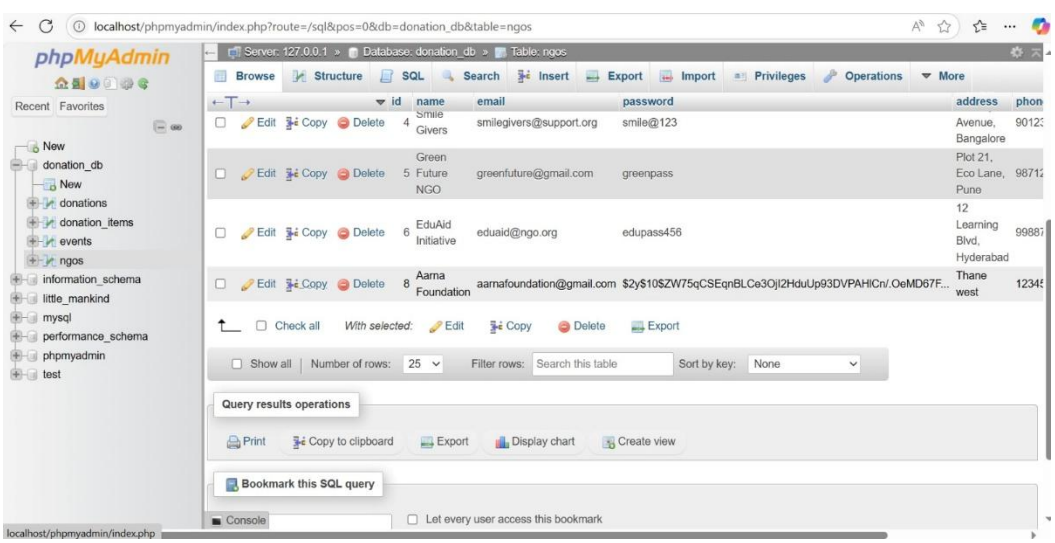
8.9 DONATIONS DATABASE



8.10 DONATION ITEMS DATABASE



8.11 EVENTS DATABASE



8.12 NGOs DATABASE

Chapter 9

Conclusion

The Social Welfare Website project marks a significant step toward leveraging technology for the betterment of society. This platform was developed with the primary goal of bridging the gap between those who want to help and those who need support. Through this project, we successfully created a digital interface that enables users to donate, stay updated with social activities, and connect with welfare organizations easily and securely.

Each module, from user authentication and donation management to the admin dashboard and blog updates, was carefully planned and implemented using modern web development technologies. The integration of third-party APIs, such as contact forms, adds real-time functionality and enhances user engagement. The admin module empowers organizations to efficiently manage users, content, and donation records, making the platform practical and scalable.

From the initial planning phase to final completion, this project helped us explore and apply core concepts of web development, including frontend design, backend scripting, database integration, and API usage. It also strengthened our understanding of secure data handling, user experience, and system architecture.

In conclusion, the Social Welfare Website stands as a complete and functional system that can be used by NGOs, social workers, and compassionate individuals to connect and collaborate for social causes. The project fulfills its objective of providing a simple, accessible, and meaningful way to make a difference.

Chapter 10

References

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10. D. Turner, 2021, "APIs for Social Impact: How Technology is Changing NGO Operations," Journal of Information Technology for Development, vol. 27, no. 4, pp. 667-682.

Chapter 11

MOOC Certification

Certification Details

- COURSE NAME : The Complete Web Development Course-Build 15 Projects
- COURSE PLATFORM : Udemy
- COURSE SYLLABUS :1.HTML5

  2.CSS3

  3.Advanced CSS with Flexbox , Grid

  4.JavaScript

  5.Node.js

  6.PHP & MySQL

- Final Certificates :

udemy

Certificate no: UC-b8d1132a-3406-418a-9150-1614021fa1de
Certificate url: ude.my/UC-b8d1132a-3406-418a-9150-1614021fa1de
Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete Web Development Course - Build 15 Projects

Instructors Development Island (UK)

Sanika

Date Sept. 21, 2024
Length 99.5 total hours

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Certificate no: UC-e12206f9-fc95-49e1-99d7-f01f75be8c109
Certificate url: ude.my/UC-e12206f9-fc95-49e1-99d7-f01f75be8c109
Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete Web Development Course - Build 15 Projects

Instructors Development Island (UK)

Eshani Jain

Date Sept. 22, 2024
Length 99.5 total hours