



DONATION MANAGEMENT SYSTEM



A PROJECT REPORT

Submitted by

AKALYA R

ELAKKIYA S

JANAANI S V

in partial fulfilment for the award of the degree Of

BACHELOR OF ENGINEERING

In

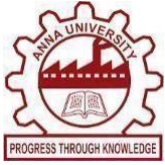
COMPUTER SCIENCE AND ENGINEERING

K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY

(An Autonomous Institution, affiliated to Anna University Chennai and Approved by AICTE, New Delhi)

SAMAYAPURAM – 621 112

NOVEMBER, 2024



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A DESIGN PROJECT REPORT

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BONAFIDE CERTIFICATE

Certified that this project report titled “**DONATION MANAGEMENT SYSTEM**” is the bonafide work of **AKALYA R (811721104007), ELAKKIYA S (811721104038), JANAANI S V (811721104059)**, who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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We jointly declare that the project report on “**DONATION MANAGEMENT SYSTEM**” is the result of original work done by us and best of our knowledge, similar work has not been submitted to “**ANNA UNIVERSITY CHENNAI**” for the requirement of Degree of **BACHELOR OF ENGINEERING**. This project report is submitted on the partial fulfilment of the requirement of the award of Degree of **BACHELOR OF ENGINEERING**.

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ABSTRACT

The Orphanage Donation Management System (ODMS) is a specialized software solution designed to streamline and manage donations for orphanages, ensuring transparency, accountability, and efficient allocation of funds. This system enables orphanages to track monetary and in-kind donations, manage volunteer activities, and generate detailed financial reports. It allows donors to make secure contributions, receive receipts for tax deductions, and stay informed about how their donations are being used. The system also offers features such as donation category tracking, inventory management for goods, and communication tools to engage donors and volunteers effectively.

In comparison to general charity websites such as **GoFundMe**, **JustGiving**, and **Charity Navigator**, the ODMS offers a more tailored approach for orphanages. While platforms like GoFundMe and JustGiving provide general crowdfunding tools and donation management, they lack the specificity required by orphanages, such as detailed fund allocation for children's care, tracking of in-kind donations, and volunteer management. On the other hand, **Charity Navigator** serves primarily as a ratings platform, evaluating charities based on their financial health and transparency but does not manage donations or internal processes.

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LIST OF ABBREVIATIONS

| | |
|--------------|--|
| NGO | NON-GOVERNMENTAL ORGANIZATION. |
| DMS | DONATION MANAGEMENT SYSTEM |
| SVM | SUPPORT VECTOR MACHINE |
| UML | UNIFIED MODELING LANGUAGE. |
| HTML | HYPER TEXT MARKUP LANGUAGE |
| CSS | CASCADING STYLE SHEETS |
| JS | JAVASCRIPT |
| PHP | HYPERTEXT PREPROCESSOR |
| MYSQL | MY STRUCTURED QUERY LANGUAGE |
| SQL | STRUCTURED QUERY LANGUAGE |
| VS | VISUAL CODE |
| XAMPP | CROSS-PLATFORM, APACHE, MYSQL, PHP, AND PERL |
| SMS | SHORT MESSAGE SERVICE |
| UL | USER INTERFACE |

CHAPTER 1

INTRODUCTION

The **Orphanage Donation Management System (ODMS)** is a dedicated software solution specifically designed to help orphanages efficiently manage and track donations, funds, and resources, ensuring transparency and accountability in their operations. This system offers orphanages the ability to handle monetary and in-kind donations, track the allocation of funds for specific needs, manage inventory for goods, and oversee volunteer contributions. With features like automated donor communication, real-time donation tracking, and detailed financial reporting, the ODMS aims to streamline orphanage management while improving donor engagement and confidence.

While there are numerous donation platforms such as **GoFundMe**, **JustGiving**, and **Charity Navigator**, these general-purpose websites are not tailored to the specific needs of orphanages. **GoFundMe** and **JustGiving** focus on fundraising campaigns and donations for a wide range of causes, but they do not provide detailed tools for managing ongoing operations, tracking goods, or ensuring that donations are used directly for the welfare of children. Additionally, these platforms typically offer limited features for internal management or financial transparency. In contrast, **Charity Navigator** is a nonprofit evaluation platform that provides ratings and reviews of charities based on financial health but does not offer donation processing or operational management tools.

The **ODMS** stands apart by offering orphanages a comprehensive, customized solution that not only facilitates donation collection but also empowers them with the ability to allocate funds effectively, track inventory, manage volunteers, and engage donors through tailored communication. It provides full transparency and control over how donations are spent, which is crucial for building trust with donors and ensuring the sustainability of the orphanage's operations. By comparing the **ODMS**

to other charity websites, it becomes evident that specialized systems like the ODMS are essential for organizations with ongoing, complex needs, offering features that general fundraising platforms lack.

1.1 PROJECT OVERVIEW

The Charity Management System is a comprehensive solution tailored to meet the needs of charitable organizations, enabling them to manage their operations more effectively. This system centralizes the management of donations, volunteers, events, and beneficiaries, reducing manual workload and fostering greater efficiency. Through its donation management module, the system provides secure online payment gateways, tracks donor history, and generates receipts, ensuring a seamless experience for contributors while maintaining complete transparency in fund allocation. The volunteer management feature facilitates easy registration, task assignment, and performance tracking, empowering volunteers to contribute meaningfully while allowing organizations to optimize their efforts.

For beneficiaries, the system keeps detailed records, tracks resource allocation, and generates insightful reports, ensuring fairness and accountability. It also supports event management by simplifying the planning and scheduling of campaigns, managing participant registrations, tracking expenses, and monitoring outcomes. Real-time dashboards and analytics offer organizations a bird's-eye view of their activities, enabling data-driven decision-making. Customizable reports support audits and compliance, building trust among stakeholders.

Designed for diverse users such as NGOs, donors, volunteers, and beneficiaries, this platform employs advanced technologies like React or Angular for the frontend, Node.js or Django for the backend, and cloud-based deployment for scalability and reliability. Its intuitive interface ensures easy adoption, while its robust features help organizations increase donor engagement, enhance volunteer experiences, and deliver measurable impact to beneficiaries. By integrating technology with altruism, the Charity Management System empowers organizations

to achieve their missions more effectively, fostering a culture of transparency and trust while maximizing their social impact.

1.2 PROBLEM STATEMENT

Managing donations effectively can be a significant challenge for nonprofit organizations and charitable initiatives. Traditional methods of tracking donations often rely on manual processes, spreadsheets, or disparate tools, leading to inefficiencies, errors, and lack of transparency. Donors, on the other hand, face difficulty in discovering trustworthy causes, tracking their contributions, and receiving updates about their impact.

The lack of a streamlined, user-friendly platform hampers the ability of nonprofits to build trust with donors and secure consistent funding, while donors often feel disconnected from the impact of their contributions. This gap highlights the need for a centralized, digital solution that facilitates seamless donation management, fosters transparency, and enhances the donor experience.

1.2.1 GOALS

The Donation Management System aims to create a robust, user-friendly platform that simplifies and enhances the donation process for organizations and donors. The primary goal is to streamline the donation journey through a seamless and secure interface that supports online payments, making contributions more accessible and convenient. By centralizing donor and donation data, the system ensures efficient management, advanced search capabilities, and categorization of contributions. The platform also focuses on enhancing donor engagement by providing personalized experiences, automated acknowledgments, and a dedicated portal where donors can access their history and receive updates on the impact of their contributions. Additionally, the system prioritizes transparency and trust by offering detailed reporting features and ensuring compliance with legal and tax requirements. Designed with scalability in mind, it accommodates the evolving

needs of organizations, from small nonprofits to large charitable institutions, with customizable features and branding options. With advanced analytics and insightful reporting tools, the platform empowers organizations to make data-driven decisions, optimize fundraising strategies, and maximize their overall impact.

1.3 OBJECTIVE OF THE PROJECT

The Donation Management System focuses on creating an intuitive and efficient platform for managing donations and donor relationships. This system is designed to address the challenges faced by organizations in tracking contributions, maintaining donor records, and ensuring transparency. Key design considerations include user-friendly interfaces, secure payment integration, real-time data visualization, and robust reporting tools. The system aims to streamline donation processes, enhance donor engagement, and support fundraising campaigns with a scalable and adaptable architecture. By prioritizing accessibility and transparency, the project seeks to empower nonprofits, NGOs, and other charitable organizations to maximize their impact.

1.4 SCOPE AND THE PROJECT

The Orphanage Donation Management System (ODMS) is a dedicated software solution specifically designed to help orphanages efficiently manage and track donations, funds, and resources, ensuring transparency and accountability in their operations. This system offers orphanages the ability to handle monetary and in-kind donations, track the allocation of funds for specific needs, manage inventory for goods, and oversee volunteer contributions. With features like automated donor communication, real-time donation tracking, and detailed financial reporting, the ODMS aims to streamline orphanage management while improving donor engagement and confidence.

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CHAPTER 2

LITERATURE SURVEY

2.1 TITLE: DONATION MANAGEMENT SYSTEM

AUTHORS: RAVINDU PASAN

YEAR:2024

ABSTRACT

Any individual living in society need to satisfy their individual needs, supplying of quality food is one of the primal requirements of one of those needs. However, there are many privileged people in any society who are capable of satisfying their needs and some who don't. In such environments there are people who are willing to aid (donors) and the people who are longing to accept the help (donees). These both parties required a trustworthy platform to facilitate their needs. On this research the main focus is to analyze the government schools in Sri Lanka provincially. Surveys are conducted to analyze data and to aid to arrive conclusions. In addition to that it was necessary to fulfill the requirement of having a stabilized centralized trustworthy platform where both parties can interact securely. Adequate and nutritious food is essential for children's physical and mental development, especially those living in poverty. However, impoverished schoolchildren in Sri Lanka commonly face food insecurity due to a range of socioeconomic situations. To address this issue, numerous organizations and individuals donate food to underserved schools.

2.2 TITLE: EMPOWERING DONATION:A WEB APPLICATION APPROACH FOR ENHANCED DONOR ENGAGEMENT AND MANAGEMENT

AUTHORS: USHA KOSARKAR

YEAR:2024

ABSTRACT

This paper explores the transformative role of blood donation web applications in modernizing donation processes and enhancing donor engagement. Through a comprehensive review of existing literature and empirical data, we highlight the significance of digital platforms in overcoming logistical barriers, optimizing blood inventory management, and promoting a culture of regular donation. The study examines the design, implementation, and impact of blood donation websites, emphasizing their potential to improve donation rates, streamline processes, and ultimately save lives. Additionally, future research directions are proposed, focusing on the integration of emerging technologies, personalized donor engagement strategies, and global collaboration efforts to further enhance the effectiveness and sustainability of blood donation web applications. Donation is a cornerstone of healthcare, yet its effectiveness is often hindered by logistical hurdles and limited outreach. The advent of web applications presents a compelling opportunity to address these challenges, offering a platform for seamless donor engagement and efficient management. This paper investigates the role of blood donation websites in modernizing donation processes, focusing on their design, implementation strategies, and resulting impact.

2.3 TITLE:DEVELOPING A RELIABLE SERVICE SYSTEM OF CHARITY DONATION DURING THE COVID-19 OUTBREAK

AUTHORS: HANYNANY WUR;XIANCHEN ZHU

YEAR: 2020

ABSTRACT

Drawing upon the functional characteristics of blockchain technology, this article envisages the feasibility and reliability of developing a charity donation service system loaded onto blockchain in response to the complex service demands encountered by charity operators due to the Covid-19 epidemic. With blockchain technology's support as the underlying data book, this article focuses on the practical issues of charity donation fund and material allocation, as well as information release and sharing, charity donation organization, and organization self-management. The paper thereby discusses the key technologies in terms of overall structure design, specific service sector, and functional design of the donation service system and further summarizes the operational mechanism of the system as combined with the needs of help-seeking, receiving, and management users. It is argued that all the above proposals have the potential to alleviate the trust crisis of charity services in China in view of low transparency. All countries attach importance to strengthening close cooperation between the public and private sectors, various non-governmental organizations and scientific research institutions, and have formed a multi-party cooperation mechanism for disaster relief and disaster reduction. The paper expects to provide a useful reference for charity business innovation propelled by blockchain technology.

2.4 TITLE: A RESEARCH PAPER ON DONATION MANAGEMENT

AUTHORS: DEEPSHIKA SHARMA

YEAR:2019

ABSTRACT

Donation is a critical aspect of healthcare that saves millions of lives every year. However, finding the right blood donor or blood bank in times of emergencies can be a challenging task, leading to severe consequences, including death. Traditional methods of finding blood donors and blood banks are time-consuming and fragmented, making it difficult for patients to access the required blood units. To address this issue, we propose a web application called "Donor Dreams," which connects blood banks and patients on a single platform. The system maintains a record of every blood bank to keep track of the blood stock and simplifies the search for available blood donors or blood banks. The proposed system consists of three modules: Admin, Blood Bank, and Patient. The Admin module provides real-time data on available blood units and blood banks, updates the blood bank and patient details, and approves or rejects requests made by blood banks and patients. The Blood Bank module allows blood banks to create an account, view their donation history and request for blood from the blood stock. The availability of safe and timely blood is crucial in saving the lives of patients who require blood transfusions due to various medical conditions. Despite the efforts of blood banks and organizations, the demand for blood often exceeds the supply, particularly during emergencies. The Patient module enables patients to create an account, request for specific blood groups, and view their blood request history. Our research aims to provide a user-friendly and centralized platform that can connect blood banks and patients in real-time, ultimately saving more lives and making a positive impact on society.

2.5 TITLE: DONATION MANAGEMENT SYSTEM IMPROVEMENT

AUTHORS: K M AKKAS ALI, ISRAT JAHAN, MD. ARIFUL ISLAM

YEAR: 2015

ABSTRACT

This paper is focused on Blood Donation Management System which is a web application with supporting mobile application aimed to serve as a communication tool between patients (who need blood) and blood donor. To become members of the system, donors need to create their profiles by providing fundamental information like name, blood group, email address, password, and exact location from “Google Map”. In order to find out the exact location of a donor, Google Map is integrated with this application. The mobile application always updates the location of a donor. As a result, the system can automatically find a registered donor wherever he/she goes. Visitors can search blood donors from the home page by blood group and the place where blood is needed. The system will show the available donors along with their phone number, email address and mailing address through arranging them by nearest place and blood donation expire date. Visitors can send message to all donors through email but a member can send message using email and mobile phone. An appointment will be created only whenever a donor confirms that he/she will donate blood. Then the system will alert the donor before 12 hours of donation. Blood donors can also be searched from the mobile application, but this is only accessible for registered members. The goal of this paper is to reduce the complexity of the system to find blood donors in an emergency situation.

CHAPTER 3

EXISTING SYSTEM

Existing donation management processes are often fragmented and heavily reliant on manual or semi-automated methods. These existing systems generally consist of spreadsheets, email records, and basic accounting software to track donations and manage donor information. While these tools may work on a small scale, they quickly become insufficient and error-prone as an organization's donor base expands. An existing donation management system (DMS) lacks the integration, efficiency, and data accuracy required for scaling operations. Donation data may be recorded manually into spreadsheets, leading to inconsistent or outdated records, especially when different team members are responsible for different tasks. Communication with donors is often handled through basic email systems without personalized tracking, which limits the organization's ability to cultivate strong donor relationships.

In addition, existing systems may struggle with compliance requirements, particularly regarding tax receipts and privacy regulations. Without built-in tools for automated receipt generation and secure donor data management, organizations face a higher risk of regulatory non-compliance.

Data security is another concern, as donor information may not be adequately protected in a system based on simple spreadsheets or basic databases. Existing systems for donation management often operate in silos, lack automation, and cannot scale efficiently, making it challenging for non-profits to engage donors effectively, streamline operations, and maximize their impact. This report explores these limitations in-depth, highlighting how a modern, integrated Donation Management System can overcome these challenges and bring substantial operational improvements.

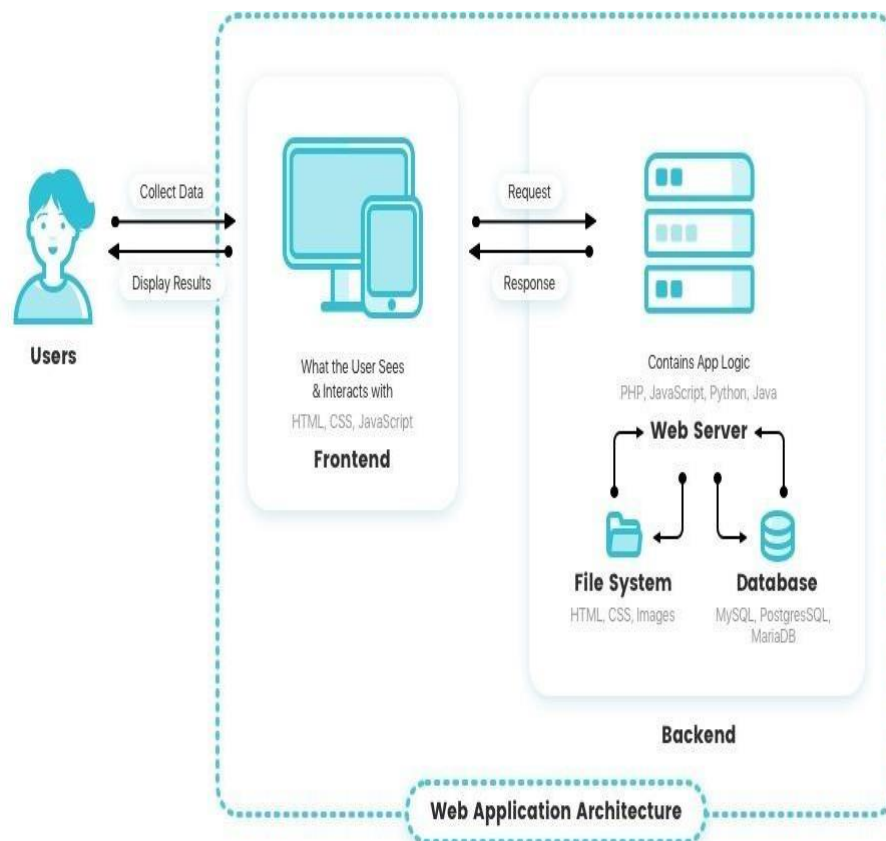


Figure 3.1 Existing system

CHAPTER 4

PROPOSED SYSTEM

The proposed system for donation management is designed to streamline the process of matching orphanages with potential donors. It starts with data collection from orphanages, which includes information about the orphans, such as their age and gender. This collected data is then stored in a database for future reference. Before the data is used for matching, it undergoes a pre-processing step to ensure it is clean and ready for analysis. The core of the system is the classification using Support Vector Machines (SVM). This technique is used to categorize the orphanages based on the age and gender of the orphans.

The age classification divides the orphanages into two groups: those with orphans under 10 years old and those with orphans over 10 years old. The gender classification further divides the orphanages into male and female categories. Once the classification is complete, the system presents donors with the final results, which are the orphanages that match their preferred age and gender criteria. This allows donors to make informed decisions about where to donate their funds, ensuring that their contributions are directed towards the most suitable orphanages.

The proposed Donation Management System (DMS) website offers numerous advantages that enhance both donor and organizational experiences. Its user-friendly interface ensures that navigation is intuitive, encouraging more individuals to engage with the platform and contribute to their chosen causes. By streamlining the donation process, the system allows users to make one-time or recurring contributions quickly and securely, which can lead to increased donation frequency and amounts. Enhanced donor engagement is facilitated through personalized profiles and automated thank-you messages, fostering a stronger connection between donors and the organizations they support. The integration of secure payment gateways ensures that all transactions are protected, providing peace of mind for donors. Furthermore, comprehensive campaign management tools enable

organizations to create, manage, and track fundraising initiatives effectively, while data analytics and reporting features offer valuable insights into donation trends and donor demographics, informing strategic decision-making. Automated communication keeps donors informed about their contributions and the impact of their support, enhancing transparency and trust.

The system's scalability accommodates growing donor bases and expanding fundraising efforts, making it suitable for organizations of all sizes. Additionally, by automating many aspects of donation management, the DMS reduces administrative overhead, allowing organizations to allocate more resources toward their core missions. Overall, the proposed DMS website not only facilitates the donation process but also strengthens relationships between donors and organizations, ultimately contributing to more successful fundraising efforts.

Additionally, the system should allow organizations to create and manage fundraising campaigns through a comprehensive campaign management module. Financial management is another crucial aspect, involving secure payment gateways for processing online donations and generating detailed financial reports. Communication is facilitated through automated notifications and a feedback system, ensuring that donors are kept informed and engaged. To maintain transparency and compliance, the system should include audit trails and compliance checks, ensuring adherence to relevant laws and regulations. A user-friendly interface, both on the web and through a mobile app, is important for accessibility. Security measures, including data encryption and regular security audits, are vital to protect sensitive information. Lastly, integrating with third-party services can expand the system's reach and efficiency, enabling smoother operations and better engagement with donors and recipients.

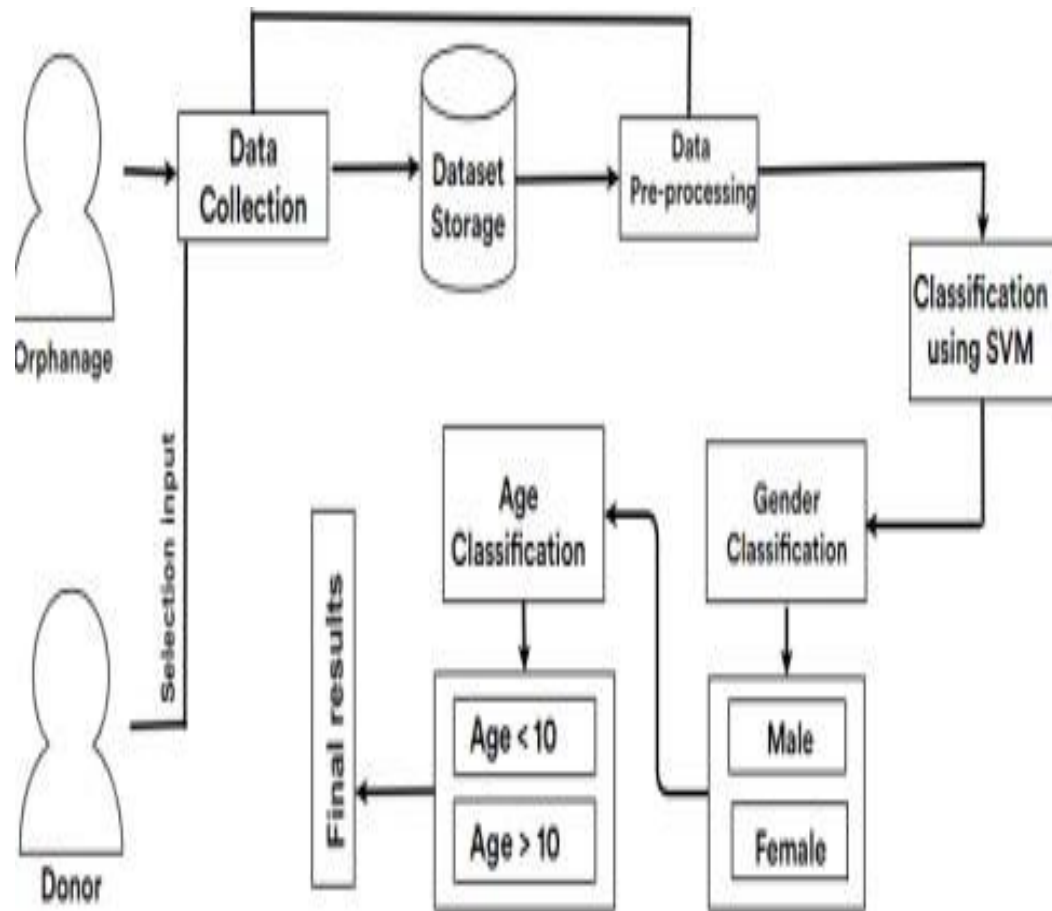


Figure 4.1 Proposed system

CHAPTER 5

SYSTEM DESIGN

5.1 SYSTEM ARCHITECTURE

A System Architecture is the conceptual model that defines the structure, behavior, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system.

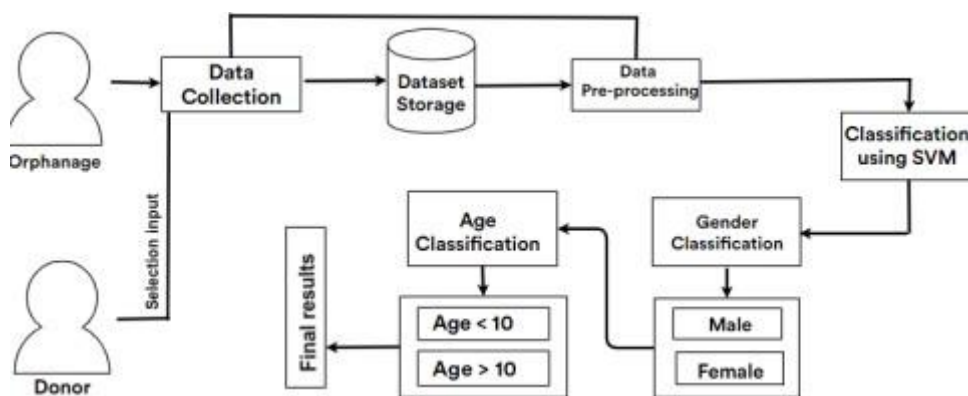


Figure 5.1 Overall Architecture diagram

5.2 UML DIAGRAM

5.2.1 Use Case Diagram

This diagram visually represents the interactions between different actors (users) and the system. It outlines the various use cases or functions that these actors can perform within the system.

Actors:

- **Foundation Charity:**

This actor represents the organization that manages the donation system. They are responsible for publishing news, managing foundations, and approving registrations.

- **Donor:**

This actor represents individuals who make donations to the foundation. They can register, make donations, and view their donation history.

- **Staff:**

This actor likely represents staff members who work for the foundation. They can manage foundations and approve registrations.

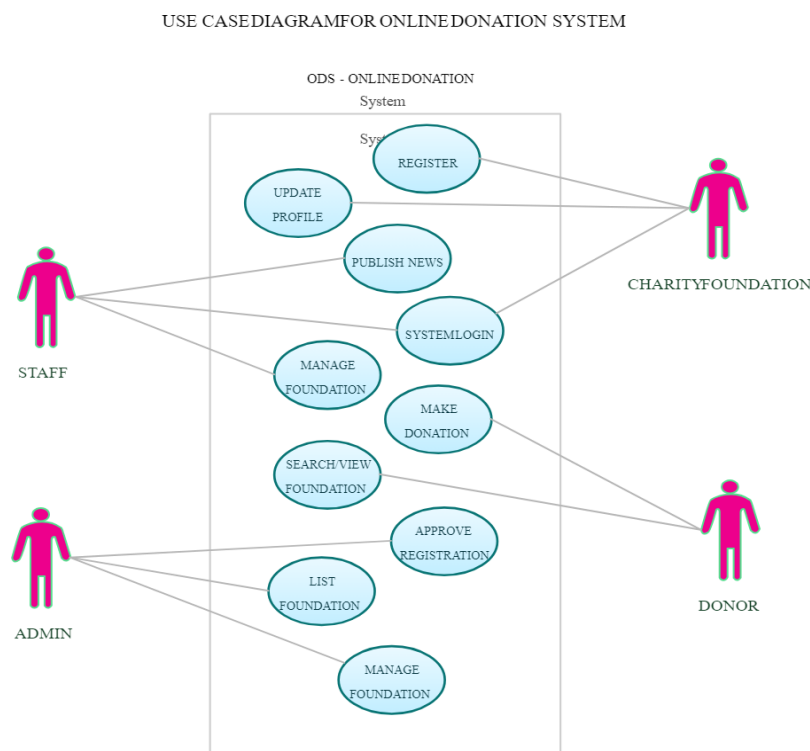


Figure 5.2 Use Case Diagram

5.2.2 USE CASES:

- **Register:** Donors can create an account on the system.
- **Update Profile:** Donors can update their personal information.

- **Publish News:** The Charity Foundation can publish news and updates on the website.
- **System Login:** Staff and Admin can log in to the system.
- **Manage Foundation:** Staff and Admin can manage the foundation's details, such as its mission and activities.
- **Make Donation:** Donors can make donations to the foundation.
- **Search/View Foundation:** Donors can search and view information about different foundations.
- **Approve Registration:** Staff or Admin can approve new donor registrations.
- **List Foundation:** The system can list all the foundations that are part of the system.
- **Manage Foundation:** Staff and Admin can manage the overall foundation, including its finances and operations.

5.3 Sequence Diagram

A sequence diagram is a visual representation of how objects in a system interact over time. It shows the order in which messages are exchanged between objects, and the control structures between them.

Sequence diagrams are a type of Unified Modeling Language (UML) diagram, and are also known as event diagrams or event scenarios.

Actors:

- **Donor:** A person who wants to donate.
- **Requester:** A person who requests for donation.
- **Admin:** An administrator who manages the system.

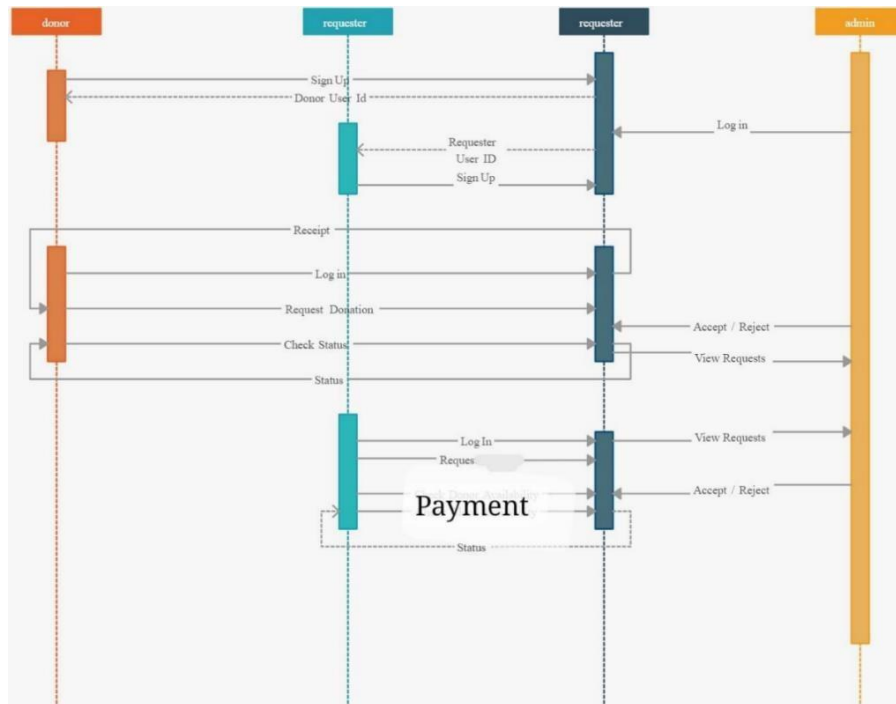


Figure 5.3 Sequence Diagram

Interactions:

- **Donor Registration:** The donor signs up and receives a donor ID.
- **Requester Registration:** The requester signs up and receives a user ID.
- **Request Donation:**
 1. The requester logs in and requests donation.
 2. The request is sent to the admin.
- **Admin Action:**
 1. The admin reviews the request and either accepts or rejects it.
 2. The requester receives a notification about the status of their request.
- **Payment:**
 1. If the request is accepted and there are associated costs, the requester may need to make a payment.
 2. The system may handle the payment process.

5.4 Activity Diagram

Actors:

- **Donor:** The individual making the donation.
- **System:** The online donation platform.
- **Payment Gateway:** The third-party system used for processing payments.

Activities:

1. Visit Home Page: The donor starts by visiting the homepage of the donation website.

2. Donation Button: The donor clicks on the "Donate" button to initiate the donation process.

3. Fill Donation Form: The donor fills out the donation form, providing information about the donation amount and personal details.

4. Redirect to Payment Gateway: The system redirects the donor to the payment gateway's website.

5. Enter Payment Details: The donor enters their payment details (card number, expiration date, CVV, etc.) on the payment gateway's website.

6. Payment Completed: If the payment is successful, the payment gateway confirms the transaction.

7. Confirmation Message: The system sends a confirmation message to the donor, acknowledging the successful donation.

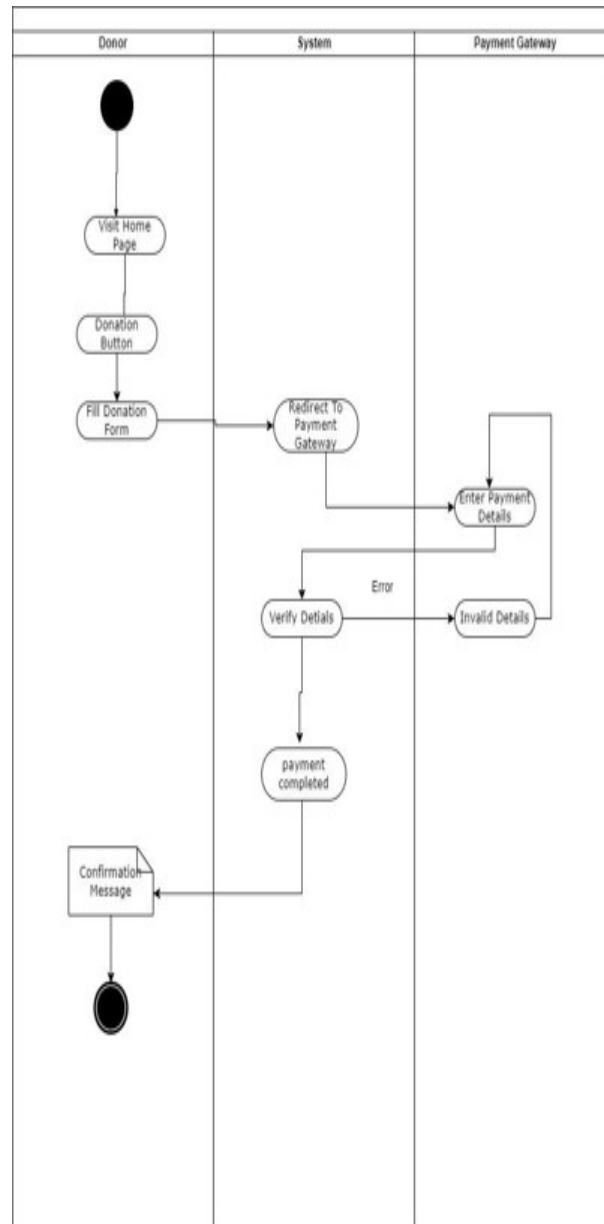


Figure 5.4 Activity Diagram

CHAPTER 6

SYSTEM REQUIREMENTS

6.1 SOFTWARE REQUIREMENTS

Operating System: Windows 10 or Higher

Code Language: HTML, PHP, CSS, JavaScript

Environment setup: XAMPP Control Panel

Platform: VS code

6.2 HARDWARE REQUIREMENTS

Processor: Intel Core i5

Hard Disk: Not Application

Monitor: Responsive to all Screen Sizes

RAM: 16.0 GB

6.3 HARDWARE DESCRIPTION

The software is designed to run on Windows operating systems, specifically Windows 10 or newer versions. The operating system should support modern web technologies and development tools. The minimum processor requirement is an Intel Core i5. This processor is more than capable of handling the demands of web development, including running local servers, managing code editors, and working with complex or resource-heavy applications. An i5 processor will also provide faster processing speeds, which is essential for larger projects or multitasking.

6.4 SOFTWARE DESCRIPTION

6.4.1 Code Languages:

- **HTML:**

HTML (Hypertext Markup Language) is the standard language for creating and structuring web content. It will be used for designing the structure and layout of the website.

- **PHP:**

PHP (Hypertext Preprocessor) is a server-side scripting language used for creating dynamic web pages and handling backend functionality like form submissions, user authentication, and data storage.

- **CSS:**

CSS (Cascading Style Sheets) is used to style the HTML elements and design the appearance of the web pages, including layout, colors, fonts, and spacing.

- **JavaScript:**

JavaScript is used for client-side scripting to add interactivity to the website. It is essential for dynamic content, form validation, and enhanced user experience.

6.4.2 Environment Setup:

XAMPP Control Panel:

XAMPP is a software package that provides the necessary tools (Apache, MySQL, PHP, etc.) for web development. It allows you to create a local server environment to run your PHP and MySQL-based application. The XAMPP control panel allows you to start and manage the web server and database server for development.

CHAPTER 7

SYSTEM TESTING

7.1 TESTING

System testing for a **Donation Management System (DMS)** ensures that the system meets its functional and non-functional requirements. This involves testing the system as a whole, including its components and interfaces. This process verify the system's ability to manage donations, donors, and recipients effectively. Ensure the integrity of financial transactions, validate performance under load (e.g., during a donation drive), test data security and compliance with regulations like GDPR or other data protection laws. This process also test scenarios an cases like donor registration and management, donation processing, recipient management, campaign management, campaign management, reports and analytics, notifications.

7.2 TYPES OF TESTS

7.2.1 UNIT TESTING:

1. Donor Registration and Validation:

Test form validations (e.g., required fields, email format) and ensure errors are displayed correctly for invalid inputs.

2. Donation Processing Logic

Verify calculations, handling of payment gateway responses (success/failure), and updating transaction statuses.

3. Campaign Data Display

Test rendering of campaign details (e.g., name, goal, progress).

4. Authentication and Authorization

Validate login and registration flows, password hashing, and role-based access controls.

7.2.2 INTEGRATION TESTING

1. Donor Registration to Database

Verify that the donor registration form successfully saves valid data to the database and handles invalid inputs gracefully.

2. Donation Flow with Payment Gateway

Test the complete donation process, ensuring seamless integration between the website, payment gateway, and database updates (transaction status and receipts).

3. Campaign Linking to Donations

Ensure that donations made through the website are correctly associated with the selected campaign in the database.

4. Email/SMS Notifications

Validate the integration of email or SMS services for sending confirmation messages to donors upon successful donation.

5. Reporting and Analytics

Test the integration between the database and the reporting module, ensuring accurate and updated data is displayed in donor and campaign activity reports.

7.2.3 FUNCTIONAL TESTING

1. Purpose

To ensure that all features of the system work as expected and fulfill user Requirements.

Example: Verify that donors can register, donate, and view receipts without errors.

2. Focus

Test core functionalities such as donor registration, donation processing, campaign Management and reporting

Example: Validate that a donation is accurately linked to the selected campaign.

3. Input Validation

Confirm that all input fields handle data appropriately, including required fields, formats, and limits.

Example: Ensure email validation in the registration form and block invalid formats.

7.2.4 WHITE BOX TESTING

1. Purpose

To test the internal structure, logic, and code of the system to ensure all pathways and functions operate correctly.

Example: Check if the function calculating the total donations for a campaign handles empty and non-numeric inputs gracefully.

2. Focus

Analyze and verify the logic flow, control structures, loops, and conditions in the code.

Example: Test a loop that iterates over all donations to ensure it accurately calculates totals without skipping or repeating entries.

3. Code Coverage

Aim for high code coverage, including statement, branch, and path coverage.

Example: Validate that all conditions in the donation processing module, such as successful, failed, and pending payments, are covered.

4. Boundary and Edge Cases

Test how the system handles extreme or boundary inputs.

Example: Check if a donation amount of Rs.0 or the maximum allowable limit is processed or rejected correctly.

5. Error Detection and Debugging

Identify potential vulnerabilities, infinite loops, or incorrect calculations in the code.

Example: Debug the logic for splitting donations across multiple recipients to ensure correct allocations are made without exceeding the donation amount.

7.2.5 BLACK BOX TESTING

1.Purpose

To test the system's functionality without knowledge of its internal code or structure, focusing only on inputs and expected outputs. **Example:** Verify that entering valid donation details results in a successful transaction and a confirmation receipt.

2.Focus

Test the system's external behavior, including user interface interactions, outputs, and error handling.

Example: Ensure the donor registration form displays an error for invalid email formats.

3.Input-Output Validation

Provide inputs and validate the outputs against expected results.

Example: Input a Rs.100 donation and verify that the system processes it correctly, updates the campaign total, and generates the confirmation.

4.Error Handling

Test how the system behaves with invalid, missing, or boundary inputs.

Example: Leave the donation amount blank and check if the system displays an appropriate error message.

5.End-User Scenarios

Simulate real-world user actions to test the system as an end-user would.

Example: Attempt to donate to a closed campaign and ensure the system prevents the transaction with a relevant message.

7.2.6 ACCEPTANCE TESTING:

1.Purpose

To verify that the system meets business requirements and is ready for deployment by Simulating Function.

Example: Ensure that donors can successfully register, donate, and receive receipts without errors.

2.Focus

Validate user workflows and ensure the system delivers intended outcomes from an end user prescriptive.

Example: Test if the donation process allows users to select a campaign, enter payment details, and complete the transaction smoothly.

3.Input-Output validation

Test whether the system produces expected results for specific inputs.

Example: Input a Rs.50 donation for a specific campaign and confirm that the campaign's total is updated accordingly.

4.Real World Scenario

Simulate real-use cases involving donors, administrators, and recipients.

Example: Test if an admin can create a campaign, donors can view and contribute to it, and recipients can view allocated funds.

CHAPTER 8

8.1 CONCLUSION

The Orphanage Donation Management System provides an efficient, user-friendly platform to streamline the process of collecting and managing donations for orphanages. Through a well-structured design incorporating **HTML**, **CSS**, and **JavaScript**, the system offers seamless interaction for donors, volunteers, and administrators. By implementing a **client-server architecture**, the system ensures that data is processed securely and efficiently, maintaining transparency and accuracy in donation records. The **database design** ensures that critical information such as donor details, donation amounts, and orphanage data are organized and easily accessible.

Additionally, the system's **responsive UI design** allows users to access the platform across multiple devices, enhancing usability for a wide range of users. With **robust security features** such as user authentication, data encryption, and regular backups, the platform ensures the integrity and privacy of all user information. In conclusion, the Orphanage Donation Management System not only facilitates smoother donation processes but also empowers donors and volunteers to make meaningful contributions towards the welfare of orphanages. The proposed system's flexibility, scalability, and security make it a valuable tool for fostering goodwill and social responsibility.

8.1 FUTURE WORK:

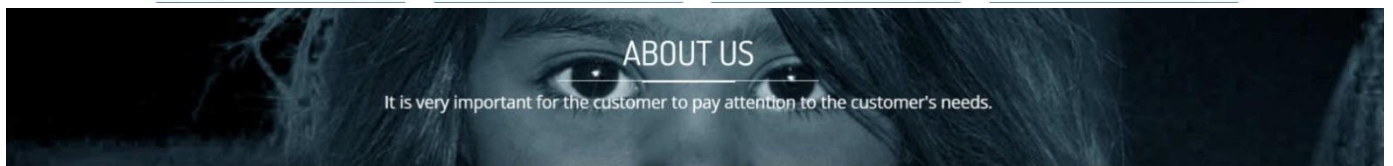
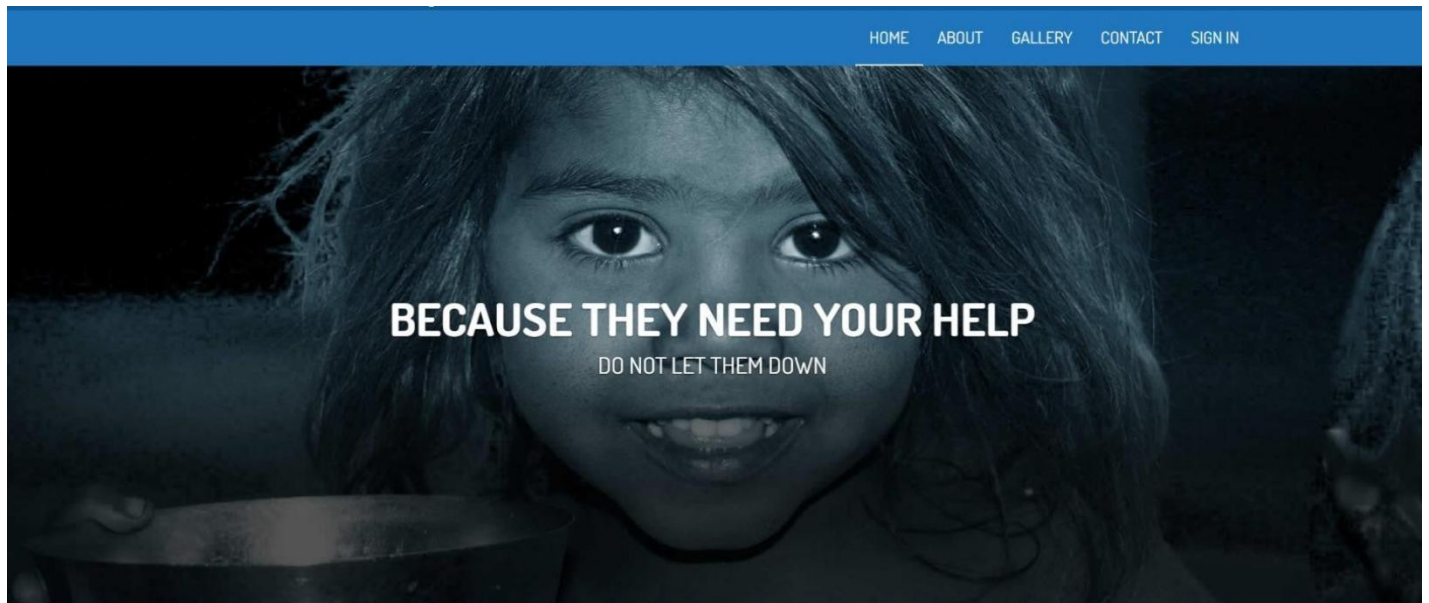
Future work in donation management systems (DMS) can focus on several key areas to enhance functionality and user experience. One significant direction is the integration of artificial intelligence and machine learning, which can personalize donor experiences by analyzing past behaviors and predicting future donation patterns.

This could lead to tailored communication strategies and targeted fundraising campaigns. Additionally, incorporating blockchain technology could enhance transparency and security in transactions, allowing donors to track how their contributions are utilized. Improving mobile accessibility is another crucial area, as more users prefer to engage through their smartphones; developing a dedicated mobile app could facilitate easier donations and updates. Furthermore, enhancing data analytics capabilities will enable organizations to gain deeper insights into donor demographics and trends, allowing for more effective outreach and engagement strategies.

Finally, incorporating social media integration can help organizations leverage their networks for broader reach and engagement, encouraging peer-to-peer fundraising and community involvement. Overall, these advancements can significantly improve the efficiency and effectiveness of donation management systems, ultimately leading to increased contributions and stronger relationships between donors and organizations. An AI-based system for a donation management website could revolutionize how nonprofits engage with donors and manage contributions. By leveraging predictive analytics, machine learning algorithms can identify potential donors based on past behaviors, enabling targeted outreach and personalized communication. Real-time donation suggestions can be made, taking into account factors such as the donor's device, location, and previous giving history, leading to higher conversion rates and increased average donation sizes.

APPENDIX-A

OUTPUT SCREENSHOTS



ABOUT SADAKA

It is very important for the customer to pay attention to the adipiscing process. Necessities, there is nothing we can do that escapes the whole to see the results of the pains born from where she, the architect, will explain the most worthy of the corrupt provide for the debts, blessed!

It is very important for the customer to pay attention to the adipiscing process. Let it be borne, we lead the pleasures of the pleasures, the pleasures of the troubles, the times of never choosing whom, because or indeed, we accuse the child of hate, who was born to flee! At times, it is held.

It is very important for the customer to pay attention to the adipiscing process. To be a pleasure, indeed, no one knows of any convenient refusal and the like except! We lead by rejecting, because I will explain that the smallest mistake will be accepted less, I will open it and run away.

It is very important for the customer to pay attention to the adipiscing process. Let it be borne, we lead the pleasures of the pleasures, the pleasures of the troubles, the times of never choosing whom, because or indeed, we accuse the child of hate, who was born to flee! At times, it is held.

It is very important for the customer to pay attention to the adipiscing process. To be a pleasure, indeed, no one knows of any convenient refusal and the like except! We

Secure Login

Select User Type

Admin

Username

admin

Password

•••

Login Cancel

Not yet Registered? [Register Now](#)

Signup Now

Name

Janaani s.v

Gender

☒ Male ☐ Female

Age

24

Email Id

vnjana123@gmail.com

Phone Number

9600209586

Address

31A/8, devanger colony
Salai road woraiyur trichy 3

User Name

vnjana123@gmail.com

Phone Number

9600209586

Address

31A/8, devanger colony
Salai road woraiyur trichy 3

User Name

janaani

Password

....

Submit

Reset

QR Code Generated Successfully!

Scan this QR code to pay with Google Pay:



Payment Complete



Donation Requests

| Requested Amount | Reason | Urgency | Additional Information | Submitted At | Amount Paid | Balance Amount | Action |
|------------------|-----------|---------|------------------------|---------------------|-------------|----------------|-----------------------------|
| 1500.00 | education | high | for college fee | 2024-12-01 13:49:32 | 0 | 1500 | view donars |
| 2000.00 | hospital | high | medical expenses | 2024-12-01 16:15:52 | 0 | 2000 | view donars |

APPENDIX-B

INDEXhtml

```
<!DOCTYPE html>

<html class="no-js">

  <head>

    <meta charset="utf-8">

    <title>SADAKA | Charity / Non-profit responsive Bootstrap HTML5 template</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Fonts -->

    <link href='http://fonts.googleapis.com/css?family=Open+Sans:400,300,700' rel='stylesheet'
    type='text/css'>

    <link href='http://fonts.googleapis.com/css?family=Dosis:400,700' rel='stylesheet'
    type='text/css'>

    <!-- Bootstrap -->

    <link rel="stylesheet" href="assets/css/bootstrap.min.css">

    <!-- Font awesome -->

    <link rel="stylesheet" href="assets/css/font-awesome.min.css">

    <!-- Owl carousel -->

    <link rel="stylesheet" href="assets/css/owl.carousel.css">

    <!-- Template main Css -->

    <link rel="stylesheet" href="assets/css/style.css">

    <!-- Modernizr -->

    <script src="assets/js/modernizr-2.6.2.min.js"></script>

    <!-- popup-->

    <script
    src="https://cdn.jsdelivr.net/npm/sweetalert2@8.14.0/dist/sweetalert2.all.min.js"></script>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js" ></script>

    <script src="https://unpkg.com/sweetalert/dist/sweetalert.min.js" ></script>

    <link rel="stylesheet" </head>
```

```

<body>
  <header class="main-header">
    <nav class="navbar navbar-static-top">
      <div class="navbar-top">
        <div class="container">
          <div class="row">
            <div class="col-sm-6 col-xs-12">
              <ul class="list-unstyled list-inline header-contact">
                <li> <i class="fa fa-phone"></i> <a href="tel:">+212 658 986 213 </a> </li>
                <li> <i class="fa fa-envelope"></i> <a
href="mailto:contact@sadaka.org">contact@sadaka.org</a> </li>
              </ul> <!-- /.header-contact -->
            </div>
            <div class="col-sm-6 col-xs-12 text-right">
              <ul class="list-unstyled list-inline header-social">
                <li> <a href="#"> <i class="fa fa-facebook"></i> </a> </li>
                <li> <a href="#"> <i class="fa fa-twitter"></i> </a> </li>
                <li> <a href="#"> <i class="fa fa-google"></i> </a> </li>
                <li> <a href="#"> <i class="fa fa-youtube"></i> </a> </li>
                <li> <a href="#"> <i class="fa fa-pinterest-p"></i> </a> </li>
              </ul> <!-- /.header-social -->
            </div>
          </div>
        </div>
      </div>
    </div>
  <div class="navbar-main">
    <div class="container">
      <div class="navbar-header">

```

```

<button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-
target="#navbar" aria-expanded="false" aria-controls="navbar">

    <span class="sr-only">Toggle navigation</span>

    <span class="icon-bar"></span>

    <span class="icon-bar"></span>

    <span class="icon-bar"></span>

</button>

<a class="navbar-brand" href="index.html"><img src="" alt=""></a>

</div>

<div id="navbar" class="navbar-collapse collapse pull-right">

    <ul class="nav navbar-nav">

        <li><a class="is-active" href="index.html">HOME</a></li>

        <li><a href="about.html">ABOUT</a></li>

        <ul class="submenu">

            <li class="submenu-item"><a href="causes.html">Causes list </a></li>

            <li class="submenu-item"><a href="causes-single.html">Single cause </a></li>

            <li class="submenu-item"><a href="causes-single.html">Single cause </a></li>

            <li class="submenu-item"><a href="causes-single.html">Single cause </a></li>

        </ul>

    </li>

    <li><a href="gallery.html">GALLERY</a></li>

    <li><a href="contact.html">CONTACT</a></li>

    <li><a href="user.php">SIGN IN</a></li>

    </ul>

</div> <!-- /#navbar -->

</div> <!-- /.container -->

</div> <!-- /.navbar-main -->

</nav>

</header> <!-- /. main-header --> <!-- Carousel
href="mailto:contact@sadaka.org">con    tact@sadaka.org</a> </li>
</ul> <!-- /.header-contact --
===== -->

```



```

<div id="homeCarousel" class="carousel slide carousel-home" data-ride="carousel">
  <!-- Indicators -->
  <div class="carousel-inner" role="listbox">
    <div class="item active">
      
      <div class="container">
        <div class="carousel-caption">
          <h2 class="carousel-title bounceInDown animated slow">Because they need your
help</h2>
          <h4 class="carousel-subtitle bounceInUp animated slow ">Do not let them
down</h4>
        </div> <!-- /.carousel-caption -->
      </div>
    </div> <!-- /.item -->
  </div>
</div><!-- /.carousel -->

<div class="section-home about-us fadeIn animated">
<div class="container">
  <div class="row">
    <div class="col-md-3 col-sm-6">
      <div class="about-us-col">
        <div class="col-icon-wrapper">
          
        </div>
        <h3 class="col-title">our mission</h3>
        <div class="col-details">
          <p>It is important to know that the pain itself is the main consequence of
getting the food or the bed to eat the real pain </p>
        </div>
        <a href="#" class="btn btn-primary"> Read more </a>

```

```

</div>
</div>
<div class="col-md-3 col-sm-6">
  <div class="about-us-col">
    <div class="col-icon-wrapper">
      
    </div>
    <h3 class="col-title">Make donations</h3>
    <div class="col-details">
      <p>It is important to know that the pain itself is the main consequence of
getting the food or the bed to eat the real pain </p>
    </div>
    <a href="#" class="btn btn-primary"> Read more </a>
  </div>
</div>
<div class="col-md-3 col-sm-6">
  <div class="about-us-col">
    <div class="col-icon-wrapper">
      
    </div>
    <h3 class="col-title">Help & support</h3>
    <div class="col-details">
      <p>It is important to know that the pain itself is the main consequence of
getting the food or the bed to eat the real pain </p>
    </div>
    <a href="#" class="btn btn-primary"> Read more </a>
  </div>
</div>
<div class="col-md-3 col-sm-6">
  <div class="about-us-col">
    <div class="col-icon-wrapper">

```

```

        
    </div>

    <h3 class="col-title">our programs</h3>

    <div class="col-details"

        <p>It is important to know that the pain itself is the main consequence of
        getting the food or the bed to eat the real pain
    </p>

    </div>

    <a href="#" class="btn btn-primary"> Read more </a>

</div>

</div>

</div>

</div>

</div> <!-- /.about-us >

<div class="section-home home-reasons">

    <div class="container">

        <div class="row">

            <div class="col-md-6">

                <div class="reasons-col animate-onscroll fadeIn">

                    <div class="reasons-titles">

                        <h3 class="reasons-title">We fight together</h3>

                        <h5 class="reason-subtitle">We are humans</h5>

                    </div>

                    <div class="on-hover hidden-xs">

                        <p>It is very important for the customer to pay attention to the adipiscing
                        process. Necessities, there is nothing we can do that escapes the whole to see the results of the
                        pains born from where she, the architect, will explain the most worthy corrupt provide for the
                        debts, blessed!</p>

                        <p>It is very important for the customer to pay attention to the adipiscing
                        process. Let it be borne, we lead the pleasures of the pleasures, the pleasures of the troubles,
                        the times of never choosing whom, because or indeed, we accuse the child of hate, who was
                        born to flee! At times, it is held.</p>

```

<p>It is very important for the customer to pay attention to the adipiscing process. To be a pleasure, indeed, no one knows of any convenient refusal and the like except! We lead by rejecting, because I will explain that the smallest mistake will be accepted less, I will open it and run away..</p>

</div>

</div>

</div>

<div class="col-md-6">

<div class="reasons-col animate-onscroll fadeIn">

<div class="reasons-titles">

<h3 class="reasons-title">WE care about others</h3>

<h5 class="reason-subtitle">We are humans</h5>

</div>

<div class="on-hover hidden-xs">

<p> It is very important for the customer to pay attention to the adipiscing process. It is held by those who are present, therefore, they do not know that they are worthy of any trouble, and they do not know that they are worthy of any trouble. Services, flight.</p>

<p>t is very important for the customer to pay attention to the adipiscing process. It is held by those who are present, therefore, they do not know that they are worthy of any trouble, and they do not know that they are worthy of any trouble. Services, flight..</p>

</div>

</div>

</div>

</div>

</div>

</div> <!-- /.home-reasons -->

<div class="section-home our-causes animate-onscroll fadeIn">

<div class="container">

<h2 class="title-style-1">Our Causes </h2>

<div class="row">

<div class="col-md-3 col-sm-6">

```

<div class="cause">
    
    <div class="progress cause-progress">
        <div class="progress-bar" role="progressbar" aria-valuenow="30" aria-
valuemin="0" aria-valuemax="100" style="width: 30%;">
            10 / 500
        </div>
    </div>
    <h4 class="cause-title"><a href="#">HUNGER AND POVERTY </a></h4>
    <div class="cause-details">

```

The customer is very important, the customer will be followed by the customer. In order to make a cartoon element of the eros rutrum turpis always someone from. Until now there is no internet, no one can even, the biggest lacinia urn.

```

    </div> <!-- /.cause -->
</div>
<div class="col-md-3 col-sm-6">
<div class="cause">
    
    <div class="progress cause-progress">
        <div class="progress-bar" role="progressbar" aria-valuenow="60" aria-
valuemin="0" aria-valuemax="100" style="width: 60%;">
            400 / 700
        </div>
    </div>
    <h4 class="cause-title"><a href="#">EDUCATION AND
TRAINING</a></h4>
    <div class="cause-details">

```

The customer is very important, the customer will be followed by the customer. In order to make a cartoon element of the eros rutrum turpis always someone from. Until now there is no internet, no one can even, the biggest lacinia urn.

```

    </div>
</div> <!-- /.cause -->

```

```

</div>
<div class="col-md-3 col-sm-6">
  <div class="cause">
    
    <div class="progress cause-progress">
      <div class="progress-bar" role="progressbar" aria-valuenow="40" aria-
valuemin="0" aria-valuemax="100" style="width: 40%;">
        400 / 1000
      </div>
    </div>
    <h4 class="cause-title"><a href="#">HUMAN RIGHTS</a></h4>
    <div class="cause-details">

```

The customer is very important, the customer will be followed by the customer. In order to make a cartoon element of the eros rutrum turpis always someone from. Until now there is no internet, no one can even, the biggest lacinia urn.

```

    </div> <!-- /.cause -->
  </div>
<div class="col-md-3 col-sm-6">
  <div class="cause">
    
    <div class="progress cause-progress">
      <div class="progress-bar" role="progressbar" aria-valuenow="60" aria-
valuemin="0" aria-valuemax="100" style="width: 60%;">
        400 / 700
      </div>
    </div>
    <h4 class="cause-title"><a href="#">ARTS AND CULTURE </a></h4>
    <div class="cause-details">

```

The customer is very important, the customer will be followed by the customer. In order to make a cartoon element of the eros rutrum turpis always someone from. Until now there is no internet, no one can even, the biggest lacinia urn.

```

        </div> <!-- /.cause -->

</div>

</div>

</div>

</div> <!-- /.our-causes -->

<div class="section-home our-sponsors animate-onscroll fadeIn">

  <div class="container">

    <h2 class="title-style-1">Our Sponsors <span class="title-under"></span></h2>

    <ul class="owl-carousel list-unstyled list-sponsors">

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

      <li> </li>

    </ul>

  </div>

</div> <!-- /.our-sponsors -->

<footer class="main-footer">

  <div class="footer-top">

</div>

<div class="footer-main">

  <div class="container">

    <div class="row">

      <div class="col-md-4">

e.src="//www.google-analytics.com/analytics.js";

r.parentNode.insertBefore(e,r)}(window,document,'script','ga'));

```

```
ga('create','UA-XXXXX-X');ga('send','pageview');
</script>
<script language="JavaScript">
function function3() {
    swal("Success!", "Your data have been saved. Thank you!", "success");
}
function function4() {
    swal("Sorry!", "Opps, something went wrong. Please try again later.", "error");
}
</script>
</body>
</html>
```


SQL

```
SET          SQL_MODE          =  
    "NO_AUTO_VALUE_ON_ZERO";  
START TRANSACTION;  
SET time_zone = "+00:00";
```

Database: `donate`

Table structure for table `admin`

```
CREATE TABLE `admin` (  
  `uname` varchar(50) NOT NULL,  
  `psw` varchar(50) NOT NULL  
) ENGINE=InnoDB DEFAULT  
  CHARSET=utf8mb4;
```

```
INSERT INTO `admin` (`uname`, `psw`)  
VALUES  
( 'admin', '11');
```

```
CREATE TABLE `donationreq` (  
  `id` int(11) NOT NULL,  
  `amount` decimal(10,2) NOT NULL,  
  `reason` text NOT NULL,  
  `urgency` varchar(10) NOT NULL,  
  `additional_info` text DEFAULT NULL,  
  `submitted_at` timestamp NOT NULL  
  DEFAULT current_timestamp()
```

```
) ENGINE=InnoDB DEFAULT  
CHARSET=utf8mb4;
```

```
CREATE TABLE `payments` (  
  `id` int(11) NOT NULL,  
  `request_id` int(11) NOT NULL,  
  `amount` decimal(10,2) NOT NULL,  
  `payment_status` varchar(50) NOT NULL,  
  `payment_date` timestamp NOT NULL  
    DEFAULT current_timestamp(),  
  `uid` varchar(20) NOT NULL  
) ENGINE=InnoDB DEFAULT  
CHARSET=utf8mb4;
```

```
CREATE TABLE `qr_logs` (  
  `id` int(11) NOT NULL,  
  `request_id` int(11) NOT NULL,  
  `amount` decimal(10,2) NOT NULL,  
  `qr_url` text NOT NULL,  
  `created_at` timestamp NOT NULL  
    DEFAULT current_timestamp(),  
  `uid` varchar(20) NOT NULL  
) ENGINE=InnoDB DEFAULT  
CHARSET=utf8mb4;
```

```
CREATE TABLE `register` (  
  `id` int(50) NOT NULL,
```

```
`name` varchar(50) NOT NULL,  
`gender` varchar(50) NOT NULL,  
`age` varchar(50) NOT NULL,  
`email` varchar(50) NOT NULL,  
`phone` varchar(50) NOT NULL,  
`address` varchar(200) NOT NULL,  
`uname` varchar(50) NOT NULL,  
`psw` varchar(50) NOT NULL  
) ENGINE=InnoDB DEFAULT  
CHARSET=latin1;
```

```
ALTER TABLE `donationreq`  
ADD PRIMARY KEY (`id`);
```

Indexes for table `payments`

```
ALTER TABLE `payments`  
ADD PRIMARY KEY (`id`);
```

```
ALTER TABLE `qr_logs`  
ADD PRIMARY KEY (`id`);
```

```
ALTER TABLE `register`  
ADD PRIMARY KEY (`id`);
```

```
ALTER TABLE `donationreq`  
  MODIFY `id` int(11) NOT NULL  
    AUTO_INCREMENT;
```

```
ALTER TABLE `payments`  
  MODIFY `id` int(11) NOT NULL  
    AUTO_INCREMENT;
```

```
ALTER TABLE `qr_logs`  
  MODIFY `id` int(11) NOT NULL  
    AUTO_INCREMENT;
```

```
ALTER TABLE `register`  
  MODIFY `id` int(50) NOT NULL  
    AUTO_INCREMENT;
```

```
COMMIT;
```

```
;
```

Registerphp

```
<?php
    include("dbconnect.php");
    extract($_POST);
    session_start();

    if(isset($_POST['btn']))
    {
        $qry1=mysqli_query($conn,"select * from
            register where uname='$uname'");
        $count=mysqli_num_rows($qry1);
        if($count>0){
            echo    "<script>alert('username    already
                taken')</script>";
        }else{
            $qry=mysqli_query($conn,"insert        into
                register
                values('$name','$gender','$age','$email'
                ,'$phone','$address','$uname','$psw')");
            if($qry)
            {

                echo            "<script>alert('inserted
                    sucessfully')</script>";
            }
        }
    }
    ?>

<!DOCTYPE html>
<html class="no-js">
    <head>
```

```

<meta charset="utf-8">
<title>Gallery | Charity / Non-profit
responsive      Bootstrap      HTML5
template</title>
<meta          name="description"
content="">
<meta          name="viewport"
content="width=device-width,    initial-
scale=1">

<!-- Fonts -->
<link
href='http://fonts.googleapis.com/css?fa
mily=Open+Sans:400,300,700'
rel='stylesheet' type='text/css'>
<link
href='http://fonts.googleapis.com/css?fa
mily=Dosis:400,700'      rel='stylesheet'
type='text/css'>

<!-- Bootstrap -->
<link          rel="stylesheet"
href="assets/css/bootstrap.min.css">

<!-- Font awesome -->
<link          rel="stylesheet"
href="assets/css/font-
awesome.min.css">

```

```

<!-- PrettyPhoto -->
<link                rel="stylesheet"
href="assets/css/prettyPhoto.css">

<!-- Template main Css -->
<link                rel="stylesheet"
href="assets/css/style.css">

<!-- Modernizr -->
<script      src="assets/js/modernizr-
2.6.2.min.js"></script>
</head>
<body>
<!-- NAVBAR

=====
===== -->

<header class="main-header">
  <nav  class="navbar  navbar-static-
top">
    <div class="navbar-top">
      <div class="container">
        <div class="row">
          <div  class="col-sm-6  col-xs-
12">
            <ul class="list-unstyled list-
inline header-contact">

```

 <i class="fa fa-phone"></i> +212 658 986 213

 <i class="fa fa-envelope"></i> contact@sadaka.org

 <!-- /.header-contact -->

</div>

<div class="col-sm-6 col-xs-12 text-right">

<h1>DONATION SYSTEM</h1>

<ul class="list-unstyled list-inline header-social">

 <i class="fa fa-facebook"></i>

 <i class="fa fa-twitter"></i>

 <i class="fa fa-google"></i>

 <i class="fa fa-youtube"></i>


```
        <li>        <a        href="#"
target="_blank"> <i class="fa fa fa-
pinterest-p"></i> </a> </li>
```

```
    </li> <!-- /.header-social -->
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="main-container">
```

```
    <br><br> <form id="f1" name="f1"
method="post" action="#" style="
```

```
font-family: 'Segoe UI', Tahoma, Geneva,
Verdana, sans-serif;
```

```
background:    linear-gradient(135deg,
    #3494E6 0%, #2196F3 100%);
```

```
padding: 40px;
```

```
border-radius: 15px;
```

```
box-shadow: 0 15px 35px rgba(0,0,0,0.2);
```

```
max-width: 500px;
```

```
margin: 50px auto;
```

```
color: white;
```

```
position: relative;
```

```
overflow: hidden;
```

```
<!-- Decorative Background Elements -->
```

```
<div style="
```

```
    position: absolute;
```

```
    top: -50px;
    right: -50px;
    width: 150px;
    height: 150px;
    background-color:
    rgba(255,255,255,0.1);
    border-radius: 50%;
"></div>
<div style="
    position: absolute;
    bottom: -50px;
    left: -50px;
    width: 150px;
    height: 150px;
    background-color:
    rgba(255,255,255,0.1);
    border-radius: 50%;
"></div>
```

```
<!-- Signup Title -->
<div style="
    text-align: center;
    margin-bottom: 30px;
    position: relative;
">
    <h2 style="
        font-size: 28px;
        margin-bottom: 10px;
        color: white;
```

```

        letter-spacing: 1px;
">Signup Now</h2>
<div style="
    width: 50px;
    height: 3px;
    background-color: white;
    margin: 0 auto;
"></div>
</div>

<!-- Form Content -->
<div style="space-y: 20px;">
    <!-- Name Input -->
    <div style="margin-bottom: 20px;">
        <label style="
            display: block;
            margin-bottom: 8px;
            font-weight: 600;

            ">Name</label>
        <input name="name" type="text"
id="name" required pattern="[A-Za-z
]{3,32}" style="
    width: 100%;
    padding: 12px 15px;
    border:        2px        solid
    rgba(255,255,255,0.2);
    border-radius: 8px;

```

```
        background-color:
        rgba(255,255,255,0.1);
        color: white;
        font-size: 16px;
        outline: none;
        transition: all 0.3s ease;
    " />
```

```
</div>
```

```
<!-- Gender Selection -->
```

```
<div style="margin-bottom: 20px;">
```

```
    <label    style="
```

```
        display: block;
```

```
        margin-bottom: 8px;
```

```
        font-weight: 600;
```

```
        color: rgba(255,255,255,0.8);
```

```
    ">Gender</label>
```

```
    <div    style="display: flex; gap:
20px;">
```

```
        <label style="display: flex; align-
items: center; color: white;">
```

```
            <input        name="gender"
type="radio"    value="male"    required
style="
```

```
                margin-right: 8px;
```

```
                accent-color: white;
```

```
            "/>
```

```
            Male
```

```
        </label>
```

```

        <label style="display: flex; align-
items: center; color: white;">
            <input          name="gender"
type="radio" value="female" style="
                margin-right: 8px;
                accent-color: white;
            "/>
            Female
        </label>
    </div>
</div>

```

```

<!-- Age Input -->
<div style="margin-bottom: 20px;">
    <label style="
        display: block;
        margin-bottom: 8px;
        font-weight: 600;
        color: rgba(255,255,255,0.8);
    ">Age</label>
    <input name="age" type="number"
id="age" required style="
        width: 100%;
        padding: 12px 15px;
        border:      2px      solid
        rgba(255,255,255,0.2);
        border-radius: 8px;
        background-color:
        rgba(255,255,255,0.1);
    ">

```

```

        color: white;
        font-size: 16px;
        outline: none;
        transition: all 0.3s ease;
        " min="18" max="120"/>
    </div>
<!-- jQuery -->
    <script
src="//ajax.googleapis.com/ajax/libs/jqu
ery/1.11.1/jquery.min.js"></script>
    <script>window.jQuery          ||
document.write('<script
src="assets/js/jquery-
1.11.1.min.js"><\script>')</script>

    <!-- Bootstrap javascript file -->
    <script
src="assets/js/bootstrap.min.js"></script
>

    <!-- PrettyPhoto javascript file -->
    <script
src="assets/js/jquery.prettyPhoto.js"></
script>

    <!-- Template main javascript -->
    <script
src="assets/js/main.js"></script>

```

```
<!-- Google Analytics: change UA-  
XXXXXX-X to be your site's ID. -->
```

```
<script>
```

```
(function(b,o,i,l,e,r){b.GoogleAnalytics  
Object=l;b[l]||(b[l]=
```

```
function(){(b[l].q=b[l].q||[]).push(argum  
ents));b[l].l=+new Date;
```

```
e=o.createElement(i);r=o.getElementsB  
yTagName(i)[0];
```

```
e.src='//www.google-  
analytics.com/analytics.js';
```

```
r.parentNode.insertBefore(e,r)}(window  
,document,'script','ga'));
```

```
ga('create','UA-XXXXXX-  
X');ga('send','pageview');
```

```
</script>
```

```
</body>
```

```
</html>
```

Veiwphp

```
<?php
include("dbconnect.php");
session_start();
// Replace this with the logged-in user's UID
$uid=$_SESSION['uid'];

$did= $_GET['id'];

// Query to fetch user contributions
$contributionQuery = "
    SELECT
        payments.request_id,payments.uid,
        payments.amount,
        payments.payment_date,
        donationreq.amount           AS
        requested_amount,
        donationreq.reason,
        donationreq.urgency,
        donationreq.additional_info,
        donationreq.submitted_at
    FROM payments
    JOIN      donationreq      ON
        payments.request_id = donationreq.id
    WHERE payments.request_id = '$did'
";
$contributionResult = mysqli_query($conn,
    $contributionQuery);
```



```

?>
<!DOCTYPE html>
<html class="no-js">
  <head>
    <meta charset="utf-8">
    <title>Gallery | Charity / Non-profit
responsive      Bootstrap      HTML5
template</title>
    <meta          name="description"
content="">
    <meta          name="viewport"
content="width=device-width,  initial-
scale=1 ">

    <!-- Fonts -->
    <link
href='http://fonts.googleapis.com/css?fa
mily=Open+Sans:400,300,700'
rel='stylesheet' type='text/css'>
    <link
href='http://fonts.googleapis.com/css?fa
mily=Dosis:400,700' rel='stylesheet'
type='text/css'>

    <!-- Bootstrap -->
    <link rel="stylesheet"
href="assets/css/bootstrap.min.css">

```

```
<!-- Font awesome -->  
<link                rel="stylesheet"  
href="assets/css/font-  
awesome.min.css">
```

```
<!-- PrettyPhoto -->  
<link                rel="stylesheet"  
href="assets/css/prettyPhoto.css">
```

```
<!-- Template main Css -->  
<link                rel="stylesheet"  
href="assets/css/style.css">
```

```
<!-- Modernizr -->  
<script      src="assets/js/modernizr-  
2.6.2.min.js"></script>
```

```
<style>  
  body {  
    font-family: Arial, sans-serif;  
    margin: 20px;  
  }  
  h2 {  
    text-align: center;  
  }  
  table {  
    width: 100%;  
    border-collapse: collapse;  
    margin: 20px 0;  
  }
```

```

th, td {
    border: 1px solid #ddd;
    padding: 8px;
    text-align: center;
}
th {
    background-color: #f2f2f2;
}
</style>
</head>
<body>
<!-- NAVBAR

=====

===== -->
<header class="main-header">
    <nav class="navbar navbar-static-
top">
        <div class="navbar-top">
            <div class="container">
                <div class="row">
                    <div class="col-sm-6 col-xs-
12">
                        <ul class="list-unstyled list-
inline header-contact">
                            <li> <i class="fa fa-
phone"></i> <a href="tel:">+212 658
986 213 </a> </li>

```

```

        <li>    <i    class="fa    fa-
envelope"></i>                                <a
href="mailto:contact@sadaka.org">con
tact@sadaka.org</a> </li>

    </ul> <!-- /.header-contact --
>

    </div>

    <div class="col-sm-6 col-xs-12
text-right">

        <h1>DONATION
SYSTEM</h1>

        <ul class="list-unstyled list-
inline header-social">

            <li>        <a        href="#"
target="_blank">    <i    class="fa    fa-
facebook"></i> </a> </li>

            <li>        <a        href="#"
target="_blank">    <i    class="fa    fa-
twitter"></i> </a> </li>

            <li>        <a        href="#"
target="_blank">    <i    class="fa    fa-
google"></i> </a> </li>

            <li>        <a        href="#"
target="_blank">    <i    class="fa    fa-
youtube"></i> </a> </li>

            <li>        <a        href="#"
target="_blank">    <i    class="fa    fa    fa-
pinterest-p"></i> </a> </li>

```

```

        </ul> <!-- /.header-social -->
    </div>
</div>
</div>
</div>
</div>
<div class="navbar-main">

    <div class="container">
        <div class="navbar-header">
            <button            type="button"
class="navbar-toggle collapsed" data-
toggle="collapse"            data-
target="#navbar" aria-expanded="false"
aria-controls="navbar">
                <span class="sr-only">Toggle
navigation</span>
                <span            class="icon-
bar"></span>
                <span            class="icon-
bar"></span>
                <span            class="icon-
bar"></span>
            </button>
            <a            class="navbar-brand"
href="index.html"><img            src=""
alt=""></a>
        </div>
        <div id="navbar" class="navbar-
collapse collapse pull-right">

```

```

        <ul class="nav navbar-nav">
        <li><a
href="admin.php">HOME</a></li>

        <li><a
href="view.php">VIEW
RESPONSE</a></li>

        <li><a
href="viewu.php">VIEW
USERS</a></li>

        <li><a
href="index.html">LOGOUT</a></li>
        </ul>
    </div> <!-- /#navbar -->
    </div> <!-- /.container -->
    </div> <!-- /.navbar-main -->
</nav>
</header> <!-- /. main-header -->
<div class="page-heading text-center">
<div    class="container    zoomIn
animated">
    <h1                class="page-
title">CONTRIBUTORS    <span
class="title-under"></span></h1>
    <p class="page-description">
    </p>
</div>
</div>
<div class="main-container">

```

```
<br><br> <h2> Contributions</h2>
```

```
<table>
```

```
  <thead>
```

```
    <tr>
```

```
      <th>User ID</th>
```

```
      <th>Requested Amount</th>
```

```
      <th>Reason</th>
```

```
      <th>Urgency</th>
```

```
      <th>Additional Information</th>
```

```
      <th>Submitted At</th>
```

```
      <th>Contribution Amount</th>
```

```
      <th>Payment Date</th>
```

```
    </tr>
```

```
  </thead>
```

```
  <tbody>
```

```
    <?php
```

```
      if
```

```
(mysqli_num_rows($contributionResult  
) > 0) {
```

```
      while ($row =  
mysqli_fetch_assoc($contributionResult  
) ) {
```

```
        echo "<tr>";
```

```
        echo "<td>{$row['uid']}</td>";
```

```
        echo
```

```
"<td>{$row['requested_amount']}</td>
```

```
";
```

```
        echo
```

```
"<td>{$row['reason']}</td>";
```

```

        echo
        "<td>{$row['urgency']}</td>";
        echo
        "<td>{$row['additional_info']}</td>";
        echo
        "<td>{$row['submitted_at']}</td>";
        echo
        "<td>{$row['amount']}</td>";
        echo
        "<td>{$row['payment_date']}</td>";
        echo "</tr>";
    }
} else {
    echo "<tr><td colspan='8'>No
contributions found</td></tr>";
}
?> </tbody>
</table><br><br><br>

```


REFERENCES

1. SIN-AE LEE, HYUN CHIN CHO, AND HYUN-CHONG CHO (2021) A Novel Approach for Increased Convolutional Neural Network Performance in Gastric-Cancer Classification Using Endoscopic Images.
2. MUYI SUN, GUANHONG ZHANG, HAO DANG, XINGQUN QI, XIAOGUANG ZHOU¹, AND QING CHANG (2019) Accurate Gastric Cancer Segmentation in Digital Pathology Images Using Deformable Convolution and Multi-Scale Embedding Networks.
3. SHEERAZ AHMAD, JAE-SEOUNG KIM, DONG KYUN PARK, AND TAEGKEUN WHANGBO (2023) Automated Detection of Gastric Lesions in Endoscopic Images by Leveraging Attention-Based YOLOv7.
4. OLFAT M. MIRZA, AISHA ALSOBHI, TAWFIQ HASANIN, MOHAMAD KHAIRI ISHAK, FATEN KHALID KARIM, AND SAMIH M. MOSTAFA (2023) Computer Aided Diagnosis for Gastrointestinal Cancer Classification Using Hybrid Rice Optimization With Deep Learning.
5. HYUN-SIK HAM , HAN-SUNG LEE, JUNG-WOO CHAE, HYUN CHIN CHO, AND HYUN-CHONG CHO (2022) Improvement of Gastroscopy Classification Performance Through Image Augmentation Using a Gradient-Weighted Class Activation Map.
6. H. Sung, J. Ferlay, R. L. Siegel, M. Laversanne, I. Soerjomataram, A. Jemal, and F. Bray,(2021) Global cancer statistics 2020: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries, CA, Cancer J.

7. J. Wang, J.-C. Yu, W.-M. Kang, and Z.-Q. Ma, (2012) Treatment strategy for early gastric cancer, *Surgical Oncol.*, vol. 21, no. 2, pp.
8. Huga Chugu P 2013) Cancer Research UK is a registered charity in England and Wales (1089464), Scotland (SC041666), the Isle of Man (1103) and Jersey(247). A company limited by guarantee.
9. Thomas C (2010) Registered company in England and Wales (4325234) and the Isle of Man (5713F). Registered address: 2 Redman Place, London, E20 1JQ.
10. Axon, (2006) Symptoms and diagnosis of gastric cancer at early curable stage, *Best Pract. Res. Clin. Gastroenterol.*, vol. 20, no. 4, pp.