

**Department of Computer Science and Engineering**

**Premier University**



# **Donation Management System**

**Company Name : G for Donation**

**0222210005101129**

**Md Mostafa Kamal Anna**

**0222210005101130**

**Mahbub Morshed**

**0222210005101106**

**Syed Irfan Shabab**

**2104010202247**

**Rohit Kumar Chowdhury**

**0222210005101132**

**Tanjilul Islam**

**Supervised By : Jannathul Maowa Hasi**

## **1 Introduction:**

The Donation Management System is a web-based platform designed to facilitate charitable fundraising efforts and streamline the process of donating to various causes. In today's interconnected world, there's an increasing need for efficient and transparent systems to manage donations and connect fundraisers with potential donors. This system aims to address these needs by providing a user-friendly interface for both fundraisers and donors to interact, manage campaigns, and track donations effectively.

With the Donation Management System, fundraisers can create and manage fundraising campaigns, set goals, and communicate with donors seamlessly. Donors, on the other hand, can discover and contribute to campaigns they care about, receive acknowledgments for their donations, and stay updated on the impact of their contributions.

### **1.1 Background:**

In the landscape of charitable giving, the traditional methods of fundraising and donation management often lack efficiency and transparency. Manual processes can be time-consuming and prone to errors, leading to challenges in tracking donations and engaging with donors effectively. Recognizing these limitations, the Donation Management System emerges as a solution to bridge the gap between fundraisers and donors.

### **1.2 Motivation:**

Our journey with the Donation Management System began as a project assigned by our esteemed course instructor. However, what truly fueled our passion and dedication was witnessing the impactful work of real-life fundraising organizations, such as *Bangladesh Donate Foundation*. Observing the tireless efforts of these organizations to make a difference in the world inspired us to delve deeper into our project.

### **1.3 Problem Definition :**

- **Manual Processes:** Traditional methods of fundraising and donation management rely heavily on manual processes, leading to inefficiencies, errors, and delays.
- **Lack of Transparency:** Donors often lack visibility into how their contributions are utilized, leading to concerns about accountability and trust.
- **Limited Engagement:** Fundraisers struggle to effectively engage with donors, resulting in missed opportunities to cultivate relationships and secure ongoing support.
- **Difficulty in Tracking:** Without robust tracking mechanisms, it's challenging for fundraisers to monitor donations, assess campaign performance, and make informed decisions.

## **2 Project Description :**

The Donation Management System is a comprehensive web-based platform designed to revolutionize the way charitable fundraising campaigns are created, managed, and supported.

At its core, the system aims to facilitate seamless interactions between fundraisers and donors, enhancing transparency, efficiency, and impact in the realm of charitable giving.

Fundraisers have the ability to create personalized campaigns, set fundraising goals, and track progress in real-time. With intuitive tools and features, they can engage with donors, share updates on campaign progress, and express gratitude for contributions received. Additionally, fundraisers gain insights into donor demographics, preferences, and engagement metrics, enabling them to optimize their fundraising strategies effectively.

Key features of the Donation Management System include:

- **Campaign Creation and Management:** Fundraisers can create, edit, and manage fundraising campaigns with ease (in some terms need admin approval)
- **Donation Tracking and Reporting:** Comprehensive donation tracking capabilities enable fundraisers to monitor contributions (only for admin).
- **Search and Discovery:** Donors can explore a diverse range of fundraising campaigns through intuitive search and filter functionalities.
- **Transparency and Accountability:** Built-in transparency features provide donors with visibility into how their contributions are utilized.

## **2.1 Scope :**

The scope of the Donation Management System encompasses the following components and functionalities:

- **User Management:**  
Registration and authentication for fundraisers and donors.
- **Campaign Management:**  
Fundraisers can create, edit, and manage fundraising campaigns.  
Ability to set fundraising goals, deadlines, and campaign descriptions.
- **Donation Processing:**  
Secure payment gateway integration to facilitate donations.
- **Search and Filter Functionality:**  
Intuitive search and filter options for donors to discover campaigns based on categories, keywords, and locations.  
Advanced filtering capabilities to refine search results according to donor preferences.
- **Transparency Features:**  
Visibility into campaign progress, including total funds raised, fundraising goals, and remaining time.  
Detailed breakdown of donation usage and impact, providing transparency to donors.
- **Reporting and Analytics:**

Generation of reports and analytics on campaign performance, donor engagement, and donation trends.

Insights to optimize fundraising strategies and improve donor retention.

- Admin Panel:

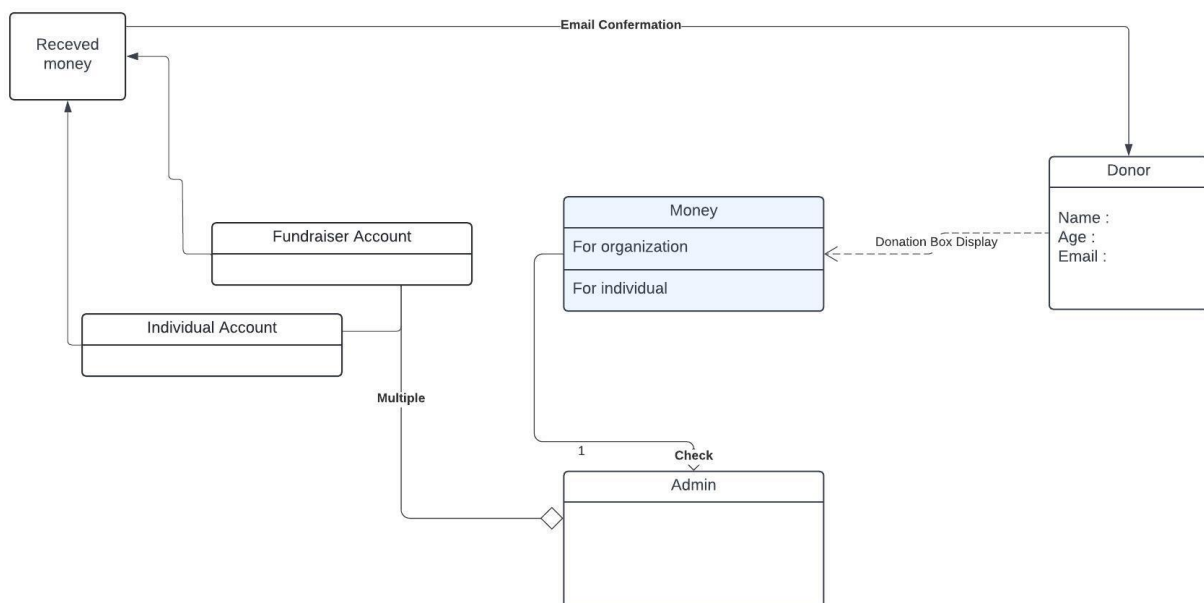
Backend administration dashboard for system management and monitoring.

User management, content moderation, and analytics access for administrators.

## 2.2 Project Overview :

The Donation Management System is a web-based platform designed to revolutionize the way charitable fundraising campaigns are created, managed, and supported. At its core, the system aims to facilitate seamless interactions between fundraisers and donors, enhancing transparency, efficiency, and impact in the realm of charitable giving.

## 2.3 Uml Diagram :



## 3 Project Management and Deliverables :

### 3.1 Tasks and time plan :

Here's a breakdown of tasks and estimated timeframes for the Donation Management System project:

Requirements Gathering (2 weeks)

Team: Md Mostafa Kamal Anna, Mahbub Morshed, Syed Irfan Shabab

Tasks:

- Conduct stakeholder meetings to gather requirements.
- Document user stories and functional specifications.

System Design (3 weeks)

Team: Rohit Kumar Chowdhury, Tanjilul Islam

Tasks:

- Design system architecture.
- Develop wireframes and UI/UX designs.

Development (8 weeks)

Team: All members

Tasks:

- Implement frontend and backend functionality.
- Integrate payment gateways and communication features.
- Conduct regular code reviews and testing.

Testing (2 weeks)

Team: All members

Tasks:

- Perform unit testing, integration testing, and user acceptance testing.
- Identify and address bugs and issues.

Deployment (1 week)

Team: All members

Tasks:

- Prepare for deployment to production environment.
- Conduct final testing and validation.

Training and Documentation (1 week)

Team: Md Mostafa Kamal Anna, Mahbub Morshed, Syed Irfan Shabab

Tasks:

- Develop user training materials and documentation.
- Conduct training sessions for administrators, fundraisers, and donors.

Maintenance and Support (will be Ongoing)

Team: All members

Tasks:

- Provide post-deployment support, bug fixes, and system updates as needed.

By assigning specific tasks to each team member and allocating appropriate timeframes, we aim to ensure efficient project execution and timely delivery of the Donation Management System.

### 3.2 Budget and Resources Costs :

#### *Personnel Expenses:*

- Md Mostafa Kamal Anna (Project Manager): ₳10,000
- Mahbub Morshed (Business Analyst): ₳8,000
- Syed Irfan Shabab (Developer): ₳15,000
- Rohit Kumar Chowdhury (Developer): ₳15,000
- Tanjilul Islam (Designer): ₳12,000

#### Software and Hardware Costs:

- Development Tools and Software Licenses: ₳5,000
- Cloud Hosting Fees: ₳3,000

#### Additional Expenses:

- Travel Expenses: ₳1,000
- Miscellaneous Expenses: ₳1,000

#### Total Budget Estimate:

₳10,000 (Md Mostafa Kamal Anna) + ₳8,000 (Mahbub Morshed) + ₳15,000 (Syed Irfan Shabab) + ₳15,000 (Rohit Kumar Chowdhury) + ₳12,000 (Tanjilul Islam) + ₳5,000 (Development Tools) + ₳3,000 (Cloud Hosting) + ₳1,000 (Travel) + ₳1,000 (Miscellaneous) = ₳70,000

**(₳ seventy thousand only )**

Please note that the figures provided above are approximate and may vary based on factors such as the location of team members, specific software and hardware requirements, and any unforeseen expenses that may arise during the project.

#### **Conclusion :**

In conclusion, the Donation Management System aims to streamline the process of fundraising by providing a platform where fundraisers can create campaigns and donors can contribute to meaningful causes. By leveraging technology, the system facilitates transparent and efficient fundraising efforts, allowing users to connect with charitable organizations and make a positive impact on society.

#### **References :**

- GoFundMe: A popular crowdfunding platform that allows individuals and organizations to create fundraising campaigns for various causes, including medical expenses, education, and emergencies. Website: <https://www.gofundme.com/>
- DonorsChoose: A platform specifically for fundraising campaigns related to education. Teachers can create projects to request funding for classroom supplies, equipment, and educational experiences. Website: <https://www.donorschoose.org/>