Database Lab Project Idea

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Project Title

Hope: Empowering Charities through effective fundraising management.

Overview

The proposed project is a comprehensive charity, donation, and fundraising management system named "Hope: Empowering Charities through effective fundraising management." The system is focused on database management and aims to streamline the donation management process while providing a user-friendly interface.

The system will allow charities to manage their fundraising campaigns efficiently and track donations and event results effectively. It will also enable donors to donate securely online through mobile banking integration. The user management system will ensure that different users have appropriate permissions set for their roles.

Sections

For this website we need two sections.

❖ Site Management (Admin)
  ➢ The regular users will be **restricted** from this section, and only admin can enter here, update the user section and add new details.

❖ User Section (Normal Viewer)
  ➢ This section is for **everyone**. One can browse the site and discover details about this system.

❖ Member and Donor Section (Privileged view)
  ➢ This section is exclusively for **registered members and donors** of the charity.
  ➢ Members and donors can access their personal information, donation history, and other member-only perks.
  ➢ Members and donors can update their contact and payment information, view the charity's fundraising progress, and receive updates and newsletters.

Features

I. Donor management

This system will manage donor information including personal details, contact information and donation history.

II. Fundraising event management

This system will manage fundraising event details such as event dates, location, goal and results.

III. **Donation management**

The system will manage donation details including donor name, donation amount, date and mode of payment.

IV. **User management**

The system will have different roles with varying permissions such as admin, staff and volunteer.

V. **Payment gateway**

Accept online donations with mobile banking.

Technologies

❖ **Frontend**

➢ React JS

➢ HTML, CSS, JavaScript

➢ Bootstrap 5

❖ **Backend**

➢ Node JS

➢ Express JS

❖ **Database**

➢ MySQL

➢ MongoDB

CONCLUSION

"Hope: Empowering Charities through effective fundraising management" is a charity, donation, and fundraising management system aimed at helping charities manage their fundraising efforts efficiently. **Team_DatabaseDudes** is our team's name. The project's objective is to create a reliable, efficient, and user-friendly system that helps charities achieve their fundraising goals and positively impact their communities.