CHANGING LIVES, ONE STEP AT A TIME

The project aims to develop a website for an NGO that supports old age homes by providing essential resources such as food, clothing and financial assistance. The website will serve as a platform to connect donors, volunteers and the old age homes, facilitating the distribution of resources and support

Key features

1. Donation Management: A system to manage donations, including food, clothing, and money, and allocate them to the old age homes.
2. Volunteer Management: A feature to manage volunteer registrations, assignments, and activities.
3. Old Age Home Profiles: Profiles of the old age homes, including their needs, stories, and updates.
4. Resource Allocation: A system to allocate resources to the old age homes based on their needs and availability.
5. Transparency and Reporting: A feature to provide transparency in the use of donations and resources, including regular reports and updates.

Goals

1. Improve Resource Allocation: Streamline the process of allocating resources to old age homes, ensuring that they receive the support they need.
2. Increase Transparency: Provide a transparent platform for donors and volunteers to track the use of their contributions.
3. Enhance Engagement: Foster a sense of community among donors, volunteers, and old age homes, promoting engagement and support.

Target Audience

1. Donors: Individuals and organizations willing to contribute resources to support old age homes.
2. Volunteers: Individuals willing to dedicate their time and skills to support old age homes.
3. Old Age Homes: Organizations that care for the elderly and are in need of resources and support.

Technical Requirements

1. Content Management System (CMS): A user-friendly CMS to manage website content, including profiles, news, and updates.
2. Donation Management System: A secure and reliable system to manage donations and allocate resources.
3. Volunteer Management System: A feature to manage volunteer registrations, assignments, and activities.
4. Responsive Design: A responsive design to ensure accessibility across various devices and browsers.

Expected Outcomes

1. Improved Resource Allocation: Efficient allocation of resources to old age homes, ensuring they receive the support they need.
2. Increased Donations: A user-friendly platform that encourages donations and support from individuals and organizations.
3. Enhanced Engagement: A sense of community among donors, volunteers, and old age homes, promoting engagement and support.

OBJECTIVES

1. Develop a user-friendly website for the NGO to showcase their mission, activities, and impact.
2. Create a platform for donors, volunteers, and old age homes to connect and facilitate the distribution of resources.
3. Improve resource allocation by streamlining the process of allocating resources to old age homes.
4. Increase transparency in the use of donations and resources, providing regular reports and updates.
5. Enhance engagement among donors, volunteers, and old age homes, fostering a sense of community and promoting support.
6. Provide a secure and reliable donation management system to manage donations and allocate resources.
7. Develop a volunteer management system to manage volunteer registrations, assignments, and activities.
8. Create profiles of old age homes, including their needs, stories, and updates.

Specific Objectives

1. To increase donations by 20% within the first six months of launching the website.
2. To increase volunteer registrations by 30% within the first year of launching the website.
3. To improve resource allocation by 25% within the first year of launching the website.
4. To provide regular updates to donors and volunteers on the impact of their contributions.

Measurable Outcomes

1. Website traffic: Monitor website traffic and engagement metrics to measure the success of the website.
2. Donation metrics: Track donation amounts and frequency to measure the success of the donation management system.
3. Volunteer metrics: Track volunteer registrations, assignments, and activities to measure the success of the volunteer management system.
4. Old age home profiles: Monitor the number of old age home profiles created and updated to measure the success of the profile creation objective.

LANGUAGES & TECHNOLOGIES USED

The project will utilize a combination of programming languages, frameworks, and tools to develop a robust and scalable website for the NGO.

Front-end Development

* 1. HTML/CSS: HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets) will be used to create the structure and layout of the website.
  2. JavaScript: JavaScript will be used to add interactivity to the website, including dynamic effects and responsive design.
  3. React or Angular: A front-end framework such as React or Angular will be used to build reusable UI components and manage state changes.

Back-end Development

1. Node.js: Node.js will be used as the server-side runtime environment to handle requests and responses.
2. Express.js: Express.js will be used as the web framework to build RESTful APIs and handle server-side logic.
3. Database: A database management system such as MySQL or MongoDB will be used to store and manage data.

Database Management

1. MySQL or MongoDB: A relational database management system like MySQL or a NoSQL database like MongoDB will be used to store and manage data.

Other Technologies

1. API Integration: APIs will be used to integrate third-party services, such as payment gateways and social media platforms.
2. Security Measures: Security measures such as SSL/TLS encryption, secure password hashing, and secure authentication will be implemented to protect user data.

Tools and Software

1. Version Control: Git will be used for version control and collaboration.
2. Code Editor: A code editor such as Visual Studio Code or Sublime Text will be used for development.
3. Project Management: A project management tool such as Trello or Asana will be used to track progress and collaborate with team members.

By utilizing these languages and technologies, the project will be able to create a robust, scalable, and secure website that meets the needs of the NGO and its stakeholders.

SYSTEM DESIGN (BASIC ARCHITECTURE)

# 1. User Types:

* + **Donor/User** – registers and donates
  + **NGO Partner** – registers old age homes and needs
  + **Admin** – manages users, donations, and site content

# 2. System Workflow:

* + text
  + Copy Edit
  + User Registration/Login → Browse Old Age Homes → Choose to Donate → Make Donation → Admin Verifies → Donation Status Updated

FORMS IN THE SYSTEM

# Form Name • Fields

* + **User**

**Registration** • Name, Email, Password, Phone, Address

* + **Login Form** • Email, Password

# Donation Form

* + Donor Name, Type of Donation (Money/Item/Time), Amount/Details, Date

# NGO

**Registration** • NGO Name, Contact Info, Description, Old Age Home Details

* + **Feedback** • Name, Email, Message

# Form Name • Fields Form

* + **Admin Panel** • Add/Delete Users, View Donations, Generate Reports Bottom of Form











