

VY FOUNDATION

Vrishank Warriar, Yatendra Yadav Under the guidance of Prof. Deepa Jain

Department of Electronics Engineering

K. J. Somaiya College of Engineering, Somaiya Vidyavihar University

Abstract

The Vy Foundation’s donation platform streamlines the process of contributing essential items like food, clothing, electronics, and money to those in need. With a focus on convenience, the website enables home pickups for donations, making it easier for people to give. By fostering direct connections between donors and recipients, the foundation enhances the effectiveness of charitable efforts. The site also features ongoing campaigns, upcoming charity events, and an effortless donation process, ensuring a broad community involvement. Leveraging technology and logistics, the Vy Foundation aims to drive positive social change and make charitable giving more accessible and transparent to all.

Introduction

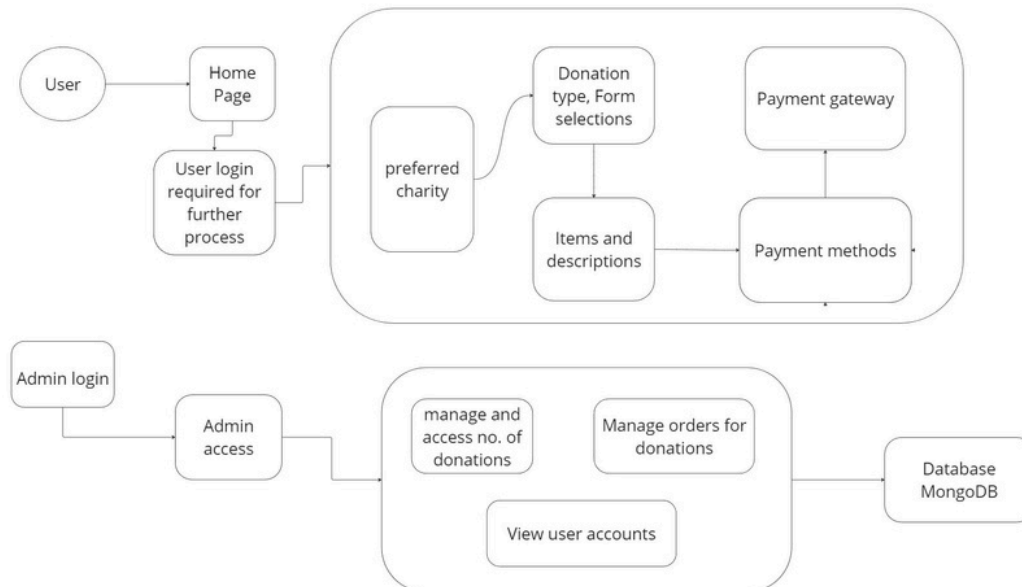
The Vy Foundation's website is designed to simplify charitable donations and maximize social impact. Featuring a user-friendly interface, it includes key sections such as Home, Campaign, Donation, Contact Us, and Login/Sign Up, with secure user authentication via Auth0. The Home page serves as the primary donation hub, allowing users to contribute items such as food, clothing, electronics, or money. An interactive map helps users locate nearby drop-off points and charity organizations.

The Campaign page enables users to monitor donation progress through a progress bar and includes an anonymous donation table for those wishing to contribute discreetly. On the Donation page, users can view, edit, or delete their donations, and track delivery personnel during active pickups using real-time map updates. Monetary donations are processed through a secure Razorpay payment portal. The Contact Us page provides a direct communication channel for inquiries and support.

Objectives:

- Simplify Donations:** Make it easy for users to donate food, clothing, electronics, or money, with options for home pickups or nearby drop-off points.
- Increase Transparency:** Use progress bars and anonymous donation tables to keep users informed of campaign progress and build trust.
- Track Donations:** Allow users to manage past donations and track ongoing pickups in real-time.
- Promote Collaboration:** Highlight nearby charity organizations and drop-off locations using an interactive map.
- Enhance Security:** Secure the login process with Auth0 to protect user data.
- Provide Support:** Offer easy communication through the Contact Us page for assistance and queries.

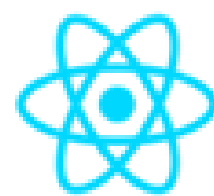
UML Diagram



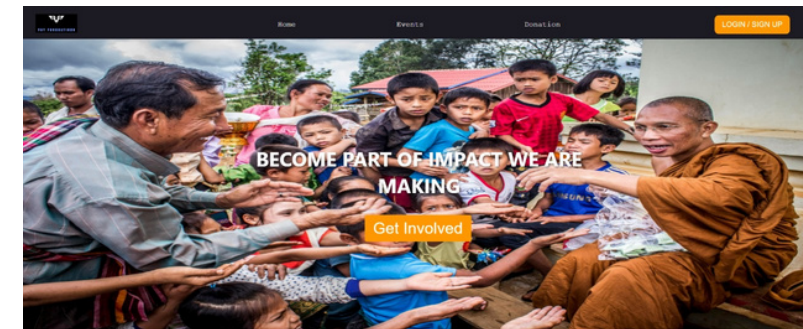
Explanation:

The VY Foundations Website UML diagram illustrates the flow for users and admins. Users start at the Home Page, log in through Auth0, select a Preferred Charity, choose Donation Type, and complete payments via Payment Gateways like Paytm or PayPal. Admins log in to Manage Donations and View User Accounts. All data is stored in a MongoDB Database, ensuring smooth and secure operations. This streamlined flow supports efficient donation processing and management.

Design Tools:



Designed Web Pages



Welcome to Our Charity

Choose Your Donation Type

Your generosity can make a significant impact in the lives of those in need.

Donate Food

Help combat hunger by donating non-perishable food items to support local shelters.

[Donate Now](#)

Donate Clothes

Contribute clothes to help those in need with essential attire and support their well-being.

[Donate Now](#)

Donate Electronics

Your unused electronics can help equip schools and families in need with essential tools.

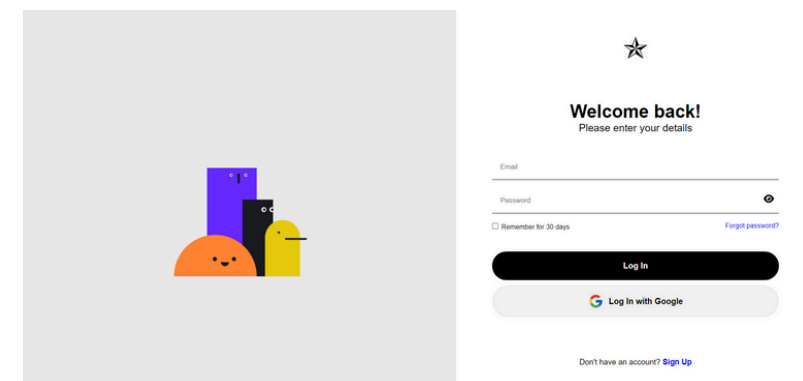
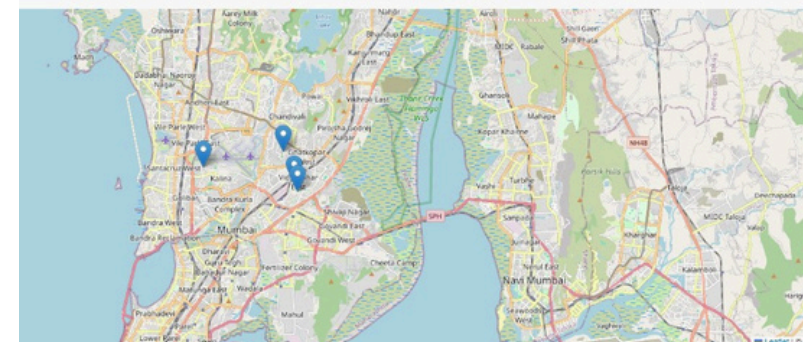
[Donate Now](#)

Donate Money

Your financial contribution can support various programs and help us reach our goal.

[Donate Now](#)

LOCATIONS



Mapping with SDG:

- SDG 1 – No Poverty
- SDG 2 – Zero Hunger
- SDG 3 – Good Health and Well-being
- SDG 10 – Reduced Inequality
- SDG 11 – Sustainable Cities and communities
- SDG 12 – Responsible Consumption and Production
- SDG 17 – Partnerships for the Goals

Conclusions

The Vy Foundation’s donation platform effectively addresses critical social issues by simplifying the process of charitable giving and enhancing community involvement. By aligning its objectives with the Sustainable Development Goals (SDGs), the platform not only facilitates essential donations but also promotes transparency, security, and collaboration. Through its innovative features, the Vy Foundation empowers individuals to make a meaningful impact, ensuring that contributions reach those in need while fostering a culture of generosity and support within the community. Ultimately, the platform serves as a vital resource in the collective effort to create a more equitable and sustainable future for all.