



Problem Theme :Build a Donation Matching Portal

SevaSetu

Connecting Donors with Needs,
Building Bridges of Hope

Presented by Team 16
-Under guidance of Aashay Sir

Problem Statement brief:

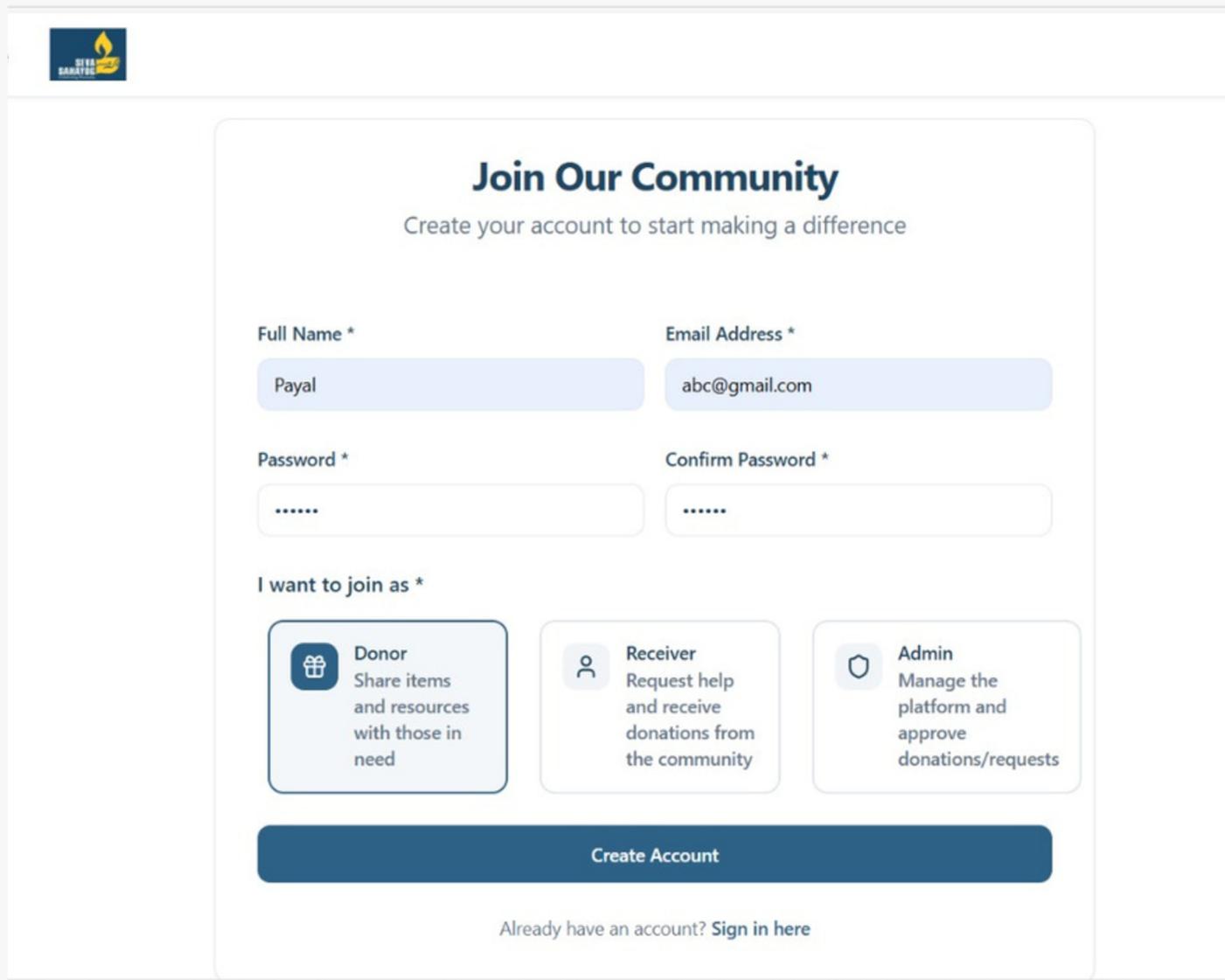
Donations are made with good intent, but the process today is fragmented and inefficient. While donors are ready to contribute, beneficiaries often don't receive what they truly need – leading to wastage, mismatch, and delays. The absence of a streamlined, transparent system makes the entire cycle unreliable.

Key Issues:

- No proper platform to bridge donors and receivers.
- Mismatch between donated items and real requirements.
- Lack of tracking and transparency in the process.
- Manual efforts leading to delays and inefficiency.
- Resources not reaching the right beneficiaries on time.



Solution Overview:



The registration form for Seva Sahayog. It features a header with the organization's logo and name. Below the header, a section titled "Join Our Community" encourages users to create an account to start making a difference. The form includes fields for Full Name, Email Address, Password, and Confirm Password. A section titled "I want to join as" offers three roles: Donor, Receiver, and Admin, each with a brief description and an icon. At the bottom, a large blue "Create Account" button is centered, and a link for existing users to sign in is provided.

Join Our Community
Create your account to start making a difference

Full Name *
Payal

Email Address *
abc@gmail.com

Password *
.....

Confirm Password *
.....

I want to join as *

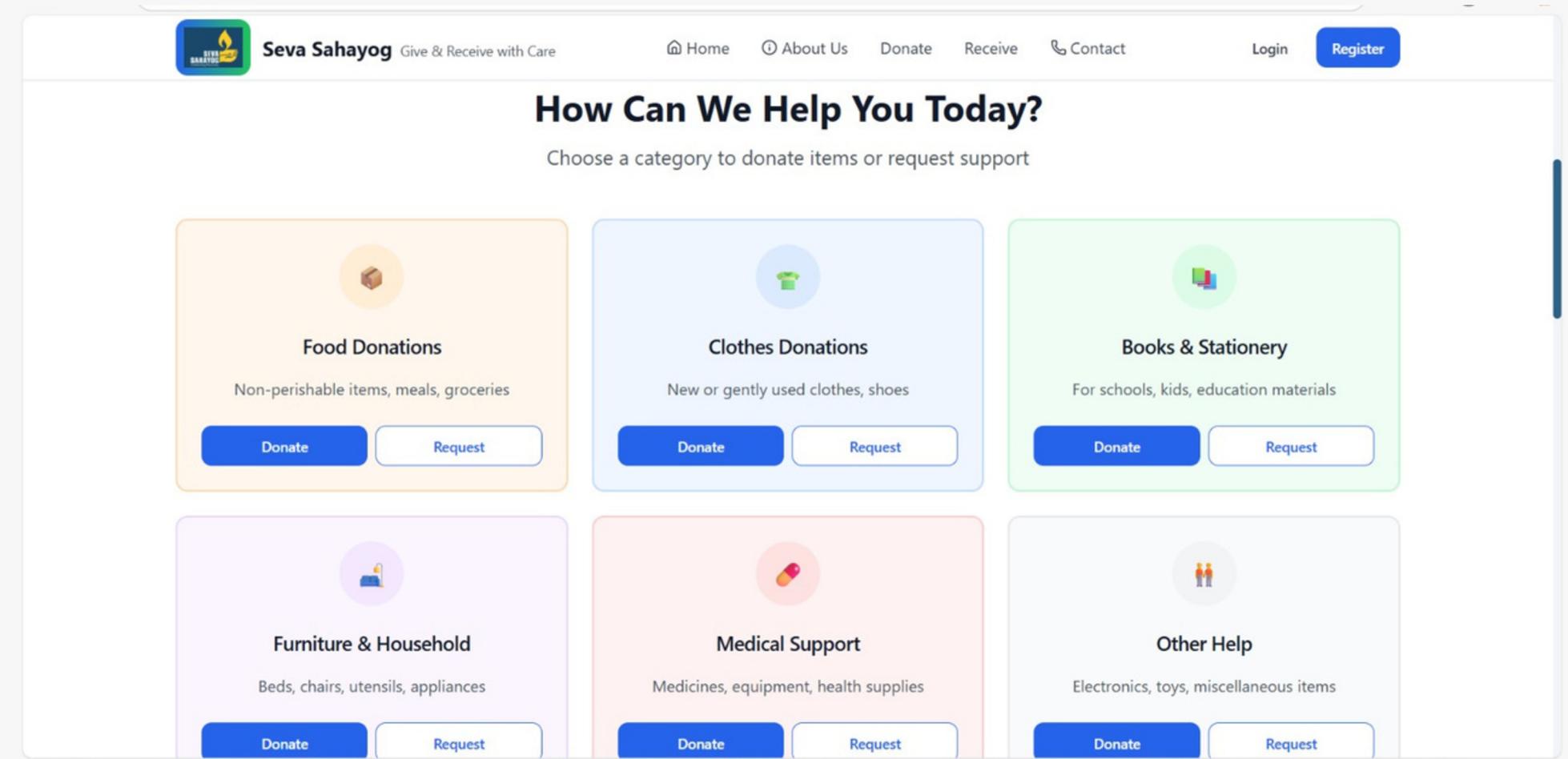
Donor
Share items and resources with those in need

Receiver
Request help and receive donations from the community

Admin
Manage the platform and approve donations/requests

Create Account

Already have an account? [Sign in here](#)



The main dashboard of Seva Sahayog, titled "How Can We Help You Today?". It features a header with the organization's logo and navigation links for Home, About Us, Donate, Receive, Contact, Login, and Register. Below the header, a call-to-action "Choose a category to donate items or request support" is displayed. The dashboard is organized into six categories, each with a representative icon and two buttons: "Donate" and "Request".

How Can We Help You Today?
Choose a category to donate items or request support

Food Donations
Non-perishable items, meals, groceries
Donate **Request**

Clothes Donations
New or gently used clothes, shoes
Donate **Request**

Books & Stationery
For schools, kids, education materials
Donate **Request**

Furniture & Household
Beds, chairs, utensils, appliances
Donate **Request**

Medical Support
Medicines, equipment, health supplies
Donate **Request**

Other Help
Electronics, toys, miscellaneous items
Donate **Request**

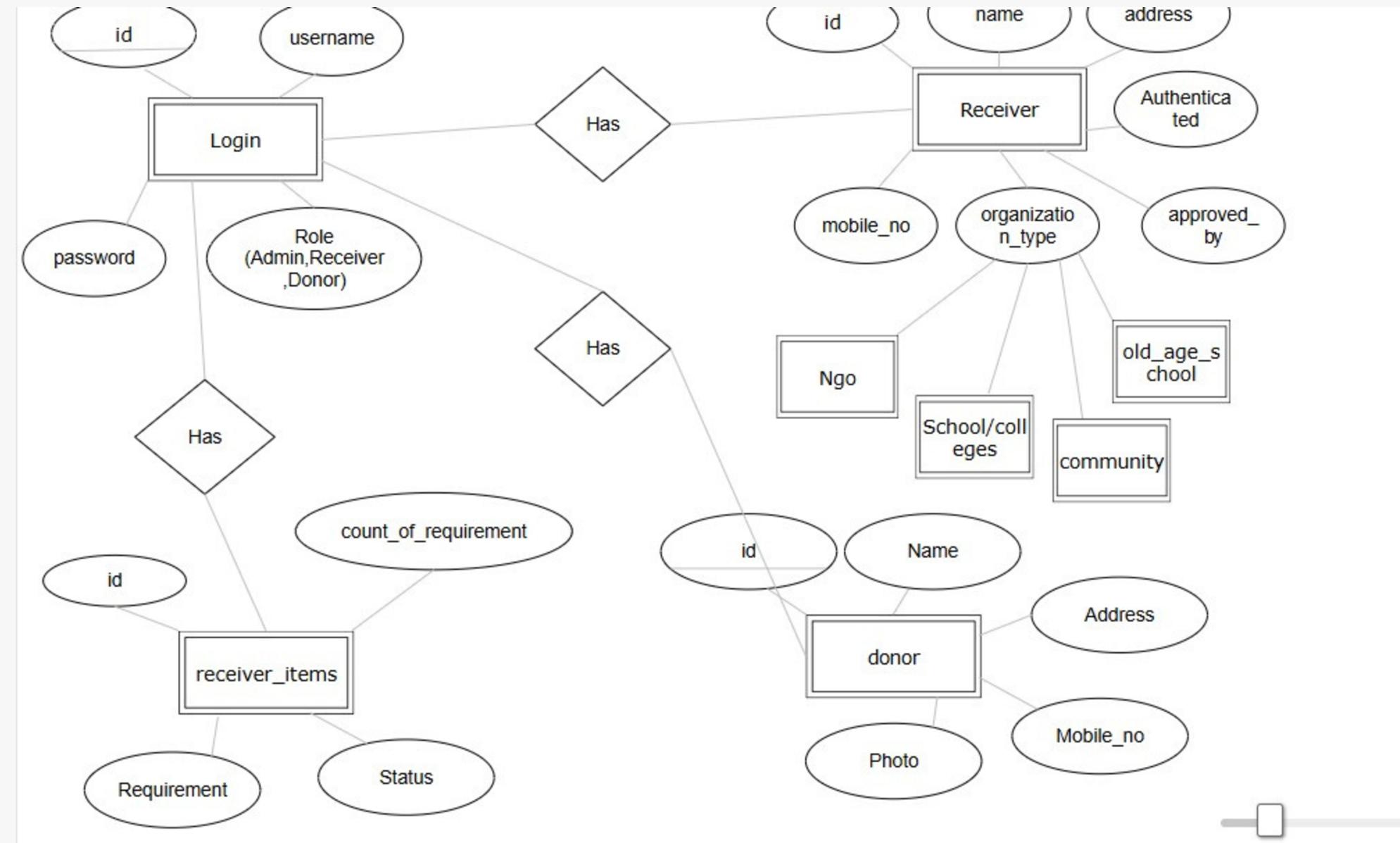


Demo/Prototype

[Click here](#)



ER Diagram



Technology Stack

Frontend

- React + TypeScript + Vite → Fast, type-safe, and responsive UI development
- React Router → Smooth and seamless navigation

Backend

- Node.js + Express + TypeScript → Scalable, efficient, and type-safe backend services

Database

- PostgreSQL → Reliable relational database for structured storage
- Designed tables for Users, Donations, Needs, and Matches to ensure efficient data handling

Other Tools & Services

- Git & GitHub → Version control and collaboration

Github Repository Link :- [Click here](#)

Google Drive Link :- [Click here](#)



Impact/Future scope

- **Enhanced Security** → Implement Two-Factor Authentication (2FA) for admin roles to prevent unauthorized access.
- **Smarter Matching** → Extend current algorithm with Machine Learning for better accuracy, personalization, and multilingual support.
- **Content Safety** → Use ML models to detect abusive / invalid content, ensuring platform trustworthiness.
- **Scalability** → System can integrate with NGOs, government portals, and community platforms for wider reach.
- **Impact** → Creates a transparent, secure, and intelligent donation ecosystem, maximizing social good and trust among stakeholders.



Q&A

