

Concept Note

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Project Overview

Generous hands is a platform that would connect donors with charitable organizations and allowing pickup and delivery through volunteers who wish to give back to the community.

Core Functionality

Donor View

- Create – Submitting their donation request, describing their items, selecting the charitable organization and scheduling pickup time.
- Read – View donation history, view donation status, receive updates from organization once goods are received.
- Update – Items description updates before pickup and schedule time updates.
- Delete – Cancel donation request.

Volunteer View

- Create - Register availability, accept donation pick up tasks
- Read – view assigned donations and pickup instructions
- Update – Update donation status as picked up or delivered
- Delete – Withdraw from an assigned donation

Organization View

- Create – Register on platform, set priority of items
- Read – View incoming donations
- Update – Update donation status to received, send thank you notes
- Delete – Delete old records

System Admin View

- Create – Add new organizations, verify volunteers, create user categories

- Read – View analytics on donations
- Update – Donation categories
- Delete – Suspend user accounts, clean up donation records

Target Users

The platform would target charitable organizations seeking donations, volunteers seeking to give back to their community and donors who have items they no longer need and wish to donate them.

Key Features

- User Authentication and Role based access for different profile views
- Search and filtering charitable organizations
- Delivery Tracking
- Real time data synchronization across the user dashboards on status updates

Technical Approach

The application will use Node.js, Express (backend) The responsive web UI will utilize React.js, and the database will be a NoSQL based database.