Abstract

The HelpHub is a full-stack web application designed to streamline and digitize the process of creating, managing, and viewing donation requests. The platform allows user to create donation requests by providing essential details such as title, quantity, category, and location. These requests are stored with an initial "Pending" status and can later be viewed by users through a consolidated list. The backend exposes RESTful APIs to support CRUD operations, with core components including an entity model (DonationRequest), service layer, repository interface (DonationRepository), and controller layer for HTTP request handling. The frontend consumes these APIs using axios, allowing users to create new donation requests and view existing ones in real-time. We can also view the improvement in usage of HelpHub by analysing the statistics of the donations provided by HelpHub. By simplifying the donation process and providing transparency in request handling, this system aims to enhance trust and efficiency in the helping hands. The platform is highly scalable, adaptable for various categories of donations, and serves as a foundation for future integration with payment gateways.

Technologies Used:

Frontened : HTML, CSS, JS , REACT

Backened : SPRING TOOL SUITE(STS), POSTMAN, MYSQL DB