

# **Title: Kind Heart Charity Web Project Report**



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**ISLAMABAD**

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## **ABSTRACT**

The Kind Heart Charity web project is designed to facilitate a seamless interaction between three key users: Admin, Volunteer, and Donor, aiming to foster a community-driven approach towards supporting beneficiaries. Donors utilize the platform to contribute to specific requests via Stripe payment integration while also having visibility into their donation history. Volunteers possess similar capabilities to donors, enabling them to add beneficiary requests and manage their own added requests, including those in a pending state. The Admin user holds comprehensive control, overseeing all functionalities available to donors and volunteers, with additional privileges to activate/deactivate user accounts and manage the system. Each user type can access and manage their respective profiles, ensuring a personalized and efficient experience within the charitable ecosystem.

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## **1. Introduction**

The Kind Heart Charity web platform serves as a dynamic hub connecting three distinct user roles: Admins, Volunteers, and Donors, fostering a collaborative environment aimed at supporting individuals in need. Donors engage with the platform by contributing to specific requests using Stripe's secure payment system while also gaining visibility into their donation history for transparency.

Volunteers, akin to donors, have the ability to not only donate but also to add beneficiary requests and manage those requests that are pending. Their role extends to actively participate in enriching the database of requests, thereby amplifying the potential support for beneficiaries awaiting assistance.

Admins hold comprehensive oversight, seamlessly managing all functionalities available to donors and volunteers. Their responsibilities encompass regulating user access by activating or deactivating accounts, ensuring the platform's smooth operation, and attending to any administrative tasks necessary for the efficient functioning of the charity initiative.

Each user type, whether Admin, Volunteer, or Donor, enjoys access to their profiles, empowering them to personalize their engagements within the platform and efficiently manage their activities and contributions toward the charitable cause. This collaborative ecosystem aims to amplify the impact of kindness and philanthropy, fostering a community united in making a difference in the lives of those in need.

## **2. Modules**

Following are the Modules.

- **Home**
- **Login**
- **Dashboard**
- **Donate**
- **Add Benificary**
- **View your added Benificraries**
- **View your Donations**
- **User Administration**
- **Profile**
- **Logout**

## 2.1. Home

The "Home" page of the Kind Heart Charity website encapsulates our mission and invites engagement. Through concise sections, it introduces visitors to our charity's objectives ("About"), shares impactful stories ("Our Story"), provides essential contact information ("Contact"), and invites participation and support ("Join Us"). This layout aims to inspire involvement, offering a gateway for visitors to understand our cause, connect with us, and become active contributors to our mission of fostering kindness and making a meaningful difference in the lives of those in need.

The screenshot displays the home page of the Kind Heart Charity website. The header features the organization's logo, navigation links (Home, About, Our Story, Join Us, Contact, Sign In), and social media icons. A large hero image shows a smiling woman, with a 'Humanity' tagline and navigation arrows. Below this is a 'Welcome to Kind Heart Charity' section with four icons: 'Become a volunteer', 'Become a Donor', 'Make a Donation', and 'Scholarship inFuture..'. The 'Our Story' section includes a photo of three men and text about the organization's origin and mission. The 'Abdul Hanan Nawaz' section features a photo of the founder and his background. A 'Make an impact. Save lives.' section has buttons for 'Become a Donor' and 'Become a volunteer'. The 'Join US' section contains a registration form for becoming a family member and an 'About Joining Us' section. The footer includes 'Get in touch' information and a 'Contact form'.

Kind Heart Charity  
Non-Profit Organization

Home About Our Story Join Us Contact Sign In

Humanity  
Support Other and Allah will Support You.

Welcome to Kind Heart Charity

Become a volunteer Become a Donor Make a Donation Scholarship inFuture..

**Our Story**  
Kind Heart Charity, Non-Profit Organization  
We Started this Project as our University Project and Aimed to Launch Kind Heart Charity. Thank you.

**Our Mission**  
Helping Poor students in their education.  
✔ Education  
✔ Uniform etc.

**Abdul Hanan Nawaz**  
Founder  
Abdul Hanan Nawaz, A Data Engineer, having 2 years of industry experience, started this initiative as a Student and as an Advanced Web Project to help students.  
Contact Abdul Hanan Nawaz on Social Sites.

Make an impact.  
Save lives.

Become a Donor Become a volunteer

**Join US**

**Become a family member today**  
Enter your name here... Enter your password here...  
Enter your email here... Select Type  
Submit

**About Joining Us**  
You can Join us as Volunteer or Donor. As a Volunteer, You get name to add Beneficiaries and As a Donor, You have to donate. A Person is not both Donor and Volunteer at the same time.

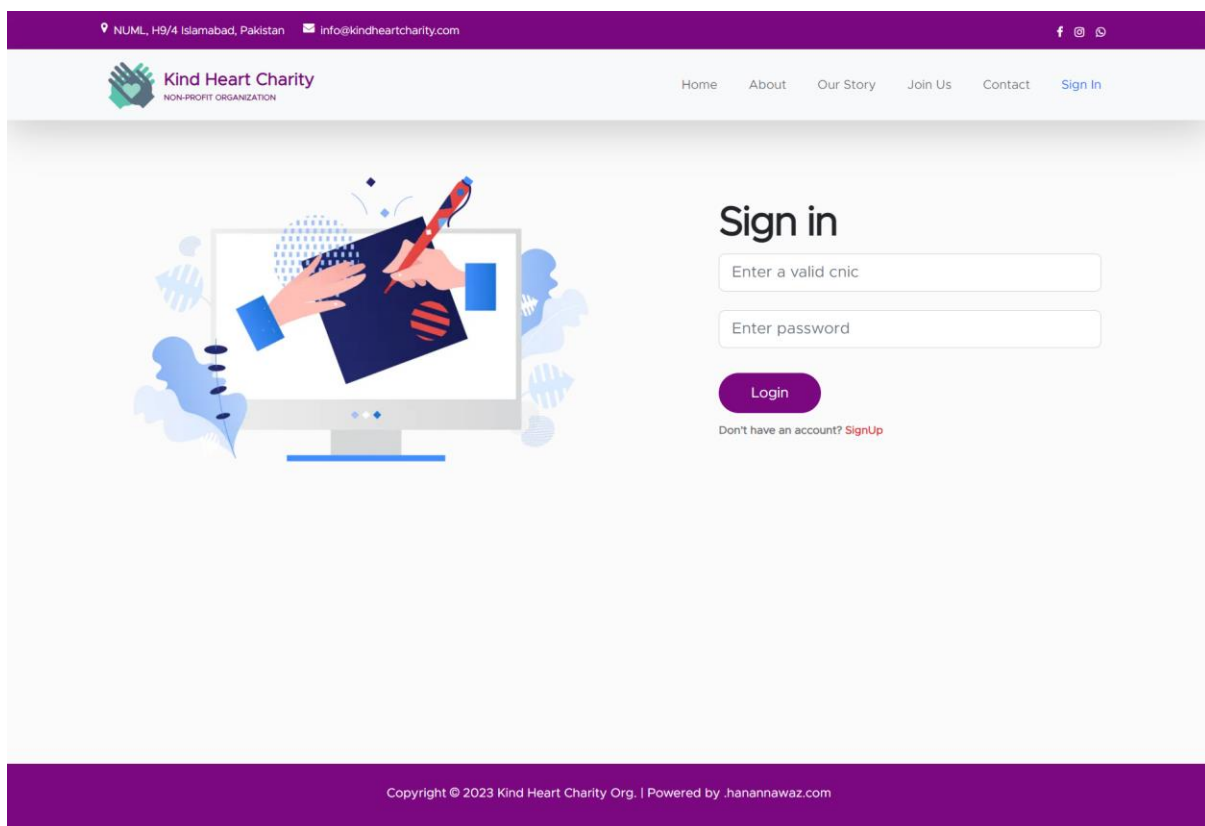
**Get in touch**  
Abdul Hanan Nawaz  
CEO  
Contact Information  
KURAL, H5/4 Islamabad, Pakistan  
+923447818962  
admin@shaukeenawaz.org  
Get Direction

**Contact form**  
Or you can just send an email: hananawaz@kindheart.org  
Last: First:  
Email:  
What can we help you?  
Send Message

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## 2.2. Login:

The login page of the Kind Heart Charity website serves as a secure gateway for registered users to access their personalized accounts. Users can enter their credentials, including username or email and password, to gain authenticated entry to the platform. This secure authentication process ensures that individuals logging in—be they volunteers, donors, or administrators—have exclusive access to their respective profiles, enabling them to engage with the platform's functionalities, contribute to charitable causes, manage donations, add beneficiary requests, and perform administrative tasks, thus fostering a seamless and secure user experience within the charitable ecosystem.

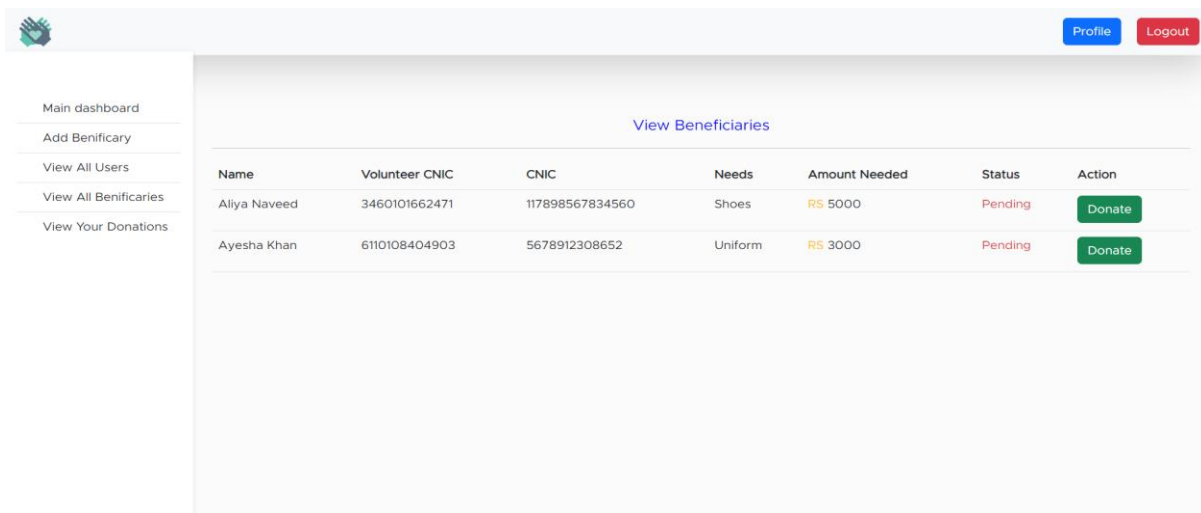


The screenshot displays the login interface of the Kind Heart Charity website. At the top, a purple header bar contains the organization's location (NUML, H9/4 Islamabad, Pakistan), contact email (info@kindheartcharity.com), and social media icons. Below this, a navigation bar features the Kind Heart Charity logo and a menu with links to Home, About, Our Story, Join Us, Contact, and Sign In. The main content area is divided into two sections. On the left, there is a large, colorful illustration of a hand holding a pen, signing a document on a computer screen, surrounded by stylized human silhouettes. On the right, the 'Sign in' section includes two input fields: 'Enter a valid cnic' and 'Enter password'. Below these fields is a purple 'Login' button. A link for 'SignUp' is provided for users who do not have an account. The footer of the page is a solid purple bar with the copyright notice: 'Copyright © 2023 Kind Heart Charity Org. | Powered by .hanannawaz.com'.

## 2.3. Dashboard

The dashboard of the Kind Heart Charity website acts as a comprehensive control center accessible to Administrators, Volunteers, and Donors, offering a unified view of pending beneficiary requests. Admins oversee and approve pending requests submitted by Volunteers, ensuring swift assistance to beneficiaries. Volunteers manage their pending requests awaiting approval, while Donors gain insight into ongoing charitable needs. This consolidated display fosters transparency and collaborative efforts among users, facilitating a responsive approach

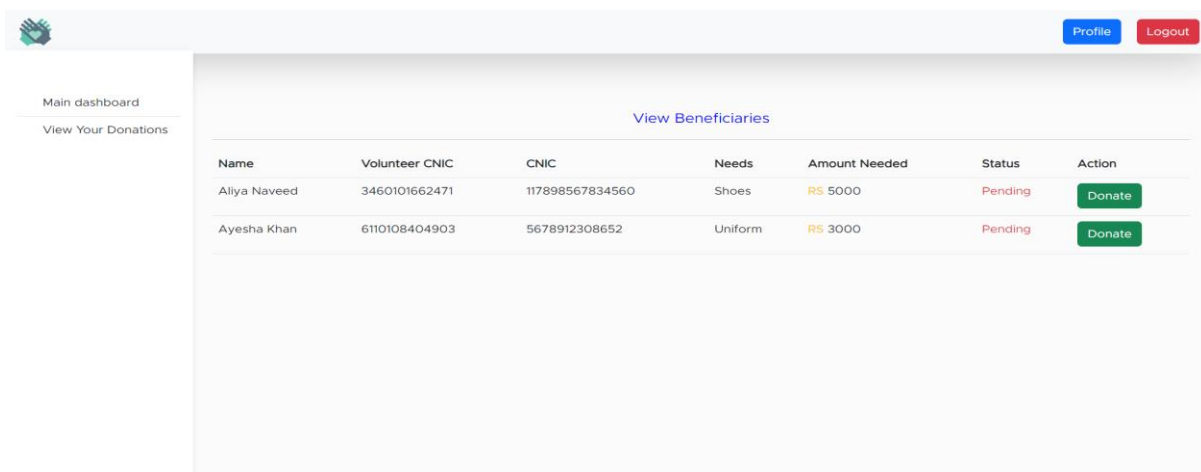
in addressing urgent beneficiary requirements and encouraging active participation in our charitable endeavor.



The screenshot shows the Admin Dashboard. On the left is a sidebar with a logo and navigation links: 'Main dashboard', 'Add Beneficiary', 'View All Users', 'View All Beneficiaries', and 'View Your Donations'. The top right has 'Profile' and 'Logout' buttons. The main content area is titled 'View Beneficiaries' and contains a table with the following data:

Name	Volunteer CNIC	CNIC	Needs	Amount Needed	Status	Action
Aliya Naveed	3460101662471	117898567834560	Shoes	RS 5000	Pending	<a href="#">Donate</a>
Ayesha Khan	6110108404903	5678912308652	Uniform	RS 3000	Pending	<a href="#">Donate</a>

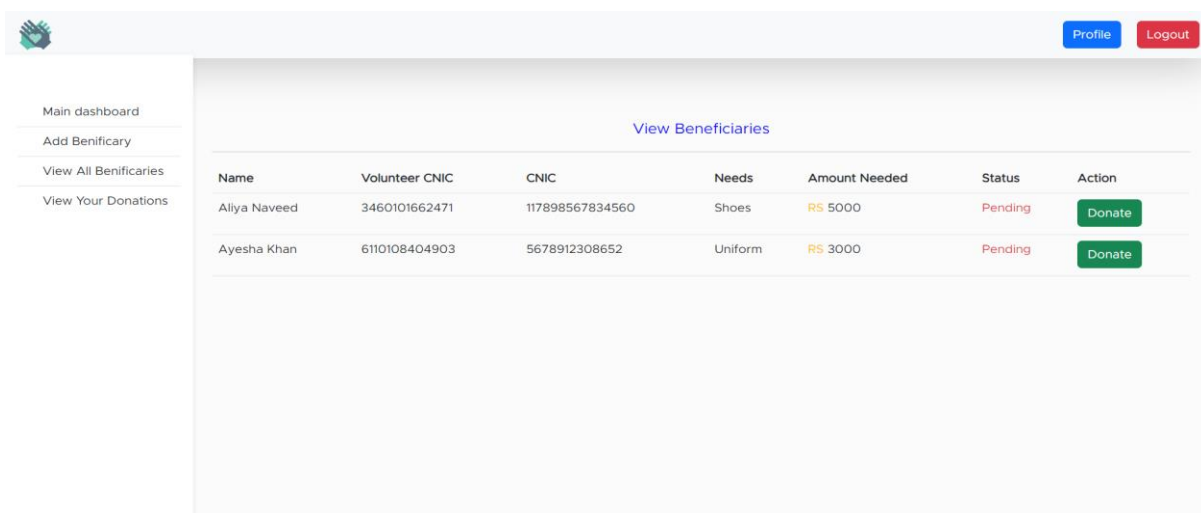
*Figure: Admin Dashboard*



The screenshot shows the Donor Dashboard. It has the same sidebar and top navigation as the Admin Dashboard. The main content area is titled 'View Beneficiaries' and contains a table with the following data:

Name	Volunteer CNIC	CNIC	Needs	Amount Needed	Status	Action
Aliya Naveed	3460101662471	117898567834560	Shoes	RS 5000	Pending	<a href="#">Donate</a>
Ayesha Khan	6110108404903	5678912308652	Uniform	RS 3000	Pending	<a href="#">Donate</a>

*Figure: Donor Dashboard*



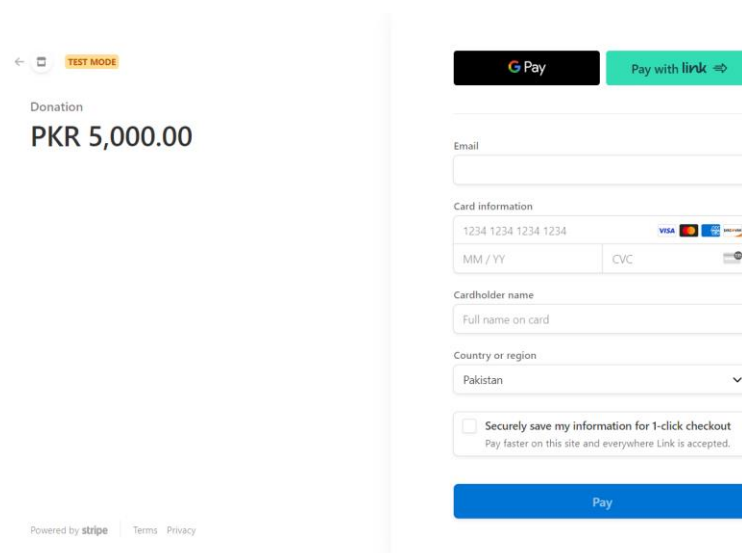
The screenshot shows the Volunteer Dashboard. It has the same sidebar and top navigation as the previous dashboards. The main content area is titled 'View Beneficiaries' and contains a table with the following data:

Name	Volunteer CNIC	CNIC	Needs	Amount Needed	Status	Action
Aliya Naveed	3460101662471	117898567834560	Shoes	RS 5000	Pending	<a href="#">Donate</a>
Ayesha Khan	6110108404903	5678912308652	Uniform	RS 3000	Pending	<a href="#">Donate</a>

*Figure: Volunteer Dashboard*

## 2.4. Donate

The donation page on the Kind Heart Charity website is designed to facilitate seamless and secure contributions toward our philanthropic causes using the trusted Stripe payment gateway. Donors are provided with a user-friendly interface where they can effortlessly make monetary contributions by selecting specific requests or campaigns they wish to support. Through Stripe's secure payment system, donors can confidently proceed with their donations, ensuring the safety of their financial transactions while directly impacting the lives of beneficiaries in need. This streamlined donation process empowers individuals to make a tangible difference and join us in spreading kindness and support to those who require assistance within our community.



The image shows a mobile app interface for donating. On the left, a confirmation screen displays 'Donation' and 'PKR 5,000.00'. At the top, there is a 'TEST MODE' label. At the bottom, it says 'Powered by stripe' with links to 'Terms' and 'Privacy'. On the right, a payment form is shown with a 'Pay' button at the top. Below the button are fields for 'Email', 'Card information' (including card number, MM / YY, and CVC), 'Cardholder name' (Full name on card), and 'Country or region' (Pakistan). There is also a checkbox for 'Securely save my information for 1-click checkout'.

## 2.5. Add Beneficiary

The "Add Beneficiary" feature on the Kind Heart Charity website enables Volunteers and Administrators to input detailed information about individuals or causes in need of support. This tool empowers authorized users to create comprehensive beneficiary requests, outlining specific needs and urgency, thereby enriching the platform's database to facilitate targeted aid allocation and efficient assistance delivery within the community.



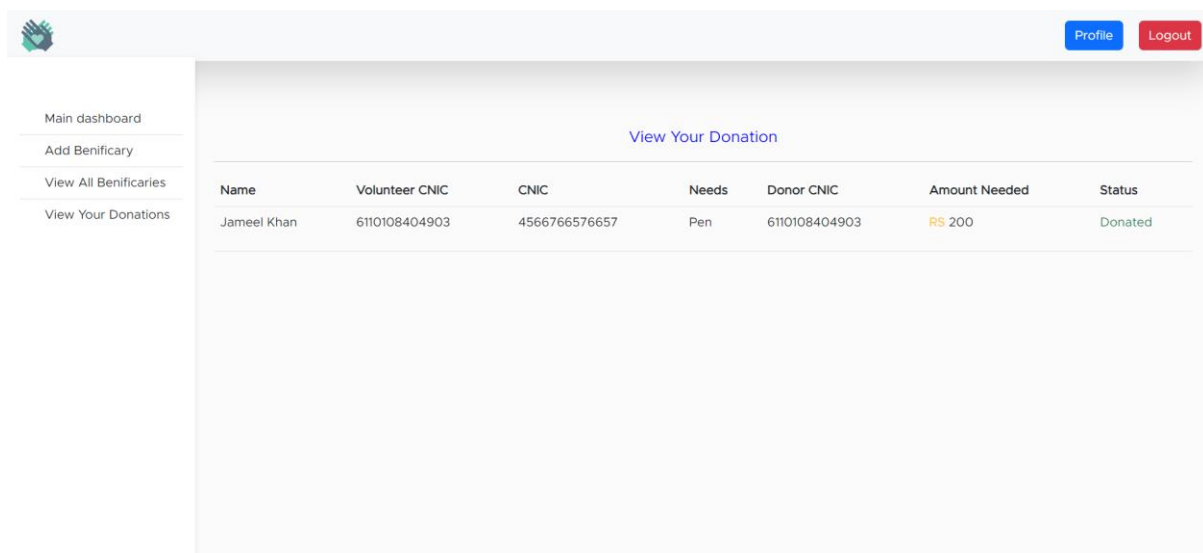
## 2.6. View Your Added Beneficiaries

Users with the Volunteer or Administrator roles within the Kind Heart Charity platform can seamlessly access and review the beneficiary requests they have added through a dedicated "View Added Beneficiary" feature. This functionality grants them visibility into their submitted requests, allowing for necessary updates, modifications, or additions to ensure the accuracy and relevance of the information provided. Moreover, in the case of Volunteers, they can manage and update the status of their added beneficiary requests, moving them from a pending state to an updated status, indicating progress or any changes in the situation of the beneficiaries, thereby facilitating a transparent and responsive approach in addressing the evolving needs of the community.

Name	Volunteer CNIC	CNIC	Needs	Donor CNIC	Amount Needed	Status
Jameel Khan	6110108404903	4566766576657	Pen	6110108404903	RS 200	Donated
Ayesha Khan	6110108404903	5678912308652	Uniform	0000	RS 3000	Pending <button>Update</button>

## 2.7. View Your Donations

The "View Your Donations" feature on the Kind Heart Charity platform offers a comprehensive history of contributions made by all users—Volunteers, Donors, and Administrators—showcasing a detailed record of their past donations, including information about the beneficiaries and the specific causes or campaigns supported. This functionality provides a transparent and accessible overview, allowing users to track and review their impactful contributions, fostering a sense of accountability and pride in their participation in the charitable initiatives. Additionally, it serves as a valuable tool for users to assess their past engagements, understand their philanthropic footprint, and continue supporting the causes they are passionate about within our community.



View Your Donation						
Name	Volunteer CNIC	CNIC	Needs	Donor CNIC	Amount Needed	Status
Jameel Khan	6110108404903	4566766576657	Pen	6110108404903	RS 200	Donated

## 2.8. User Adminstartion

Within the User Administration section, administrators wield comprehensive oversight, accessing a unified view of all users within the Kind Heart Charity platform. This functionality empowers administrators to manage user accounts effectively, enabling them to review user profiles, including volunteers and donors, and make informed decisions regarding account activation or deactivation. This capability ensures the smooth operation of the platform by granting administrators the authority to adjust user statuses, ensuring that active participants continue contributing to our charitable endeavors while maintaining control over the user ecosystem to uphold the integrity and effectiveness of our charitable initiatives.

Name	CNIC	Type	Status	Action
Abdul Hanan Nawaz	3460101662471	admin	Active	Active InActive
Muhammad Bakht Jamal	3430192291285	donor	Active	Active InActive
Muhammad Hamza	6110108404903	volunteer	Active	Active InActive
Umer Mehmood	4566766576654	volunteer	InActive	Active InActive

## 2.9. Profile

The platform offers a user-friendly "View Profile" feature accessible to all users—Admins, Volunteers, and Donors—providing a centralized space for individuals to review and manage their personal information, donation history, and contributions. This functionality ensures transparency and autonomy, allowing users to update their profiles, track their engagement history, and maintain accurate records of their charitable endeavors, fostering a sense of connection and accountability within the Kind Heart Charity community.

Main dashboard
Add Beneficiary
View All Users
View All Beneficiaries
View Your Donations

### User Profile

## 2.10. Logout

Each user role, including Admins, Volunteers, and Donors, has access to a secure "Logout" function within the Kind Heart Charity platform. By clicking on the "Logout" option, users can

effectively terminate their active sessions, ensuring that their accounts are safely logged out, and access to their profiles and functionalities is revoked. Additionally, to enhance security measures, the platform employs token-based authentication, where user tokens expire upon logout or after a predefined period of inactivity. This proactive approach safeguards user accounts by automatically expiring tokens, mitigating the risk of unauthorized access and maintaining the confidentiality and integrity of user information within the charitable platform.

## **3. Tools & Technologies**

### **3.1. Tools**

Following are the Tools.

- Visual Studio Code (VS Code)
- MongoDB Compass
- Postman

#### **3.1.1. Visual Studio Code**

At Kind Heart Charity, we leverage Visual Studio Code (VS Code) as our primary integrated development environment (IDE) to craft and refine the features, functionalities, and user experiences that power our charitable platform, ensuring efficient and collaborative development across our team.

#### **3.1.2. MongoDB Compass:**

At Kind Heart Charity, we rely on MongoDB Compass as our primary tool for managing and interacting with MongoDB databases. MongoDB Compass serves as our intuitive graphical interface, empowering our team to explore, query, and administer our MongoDB databases efficiently. With its user-friendly features and visualization capabilities, MongoDB Compass aids us in maintaining, analyzing, and optimizing our data structures, ensuring streamlined operations and effective database management within our charitable initiatives.

#### **3.1.3. Postman**

At Kind Heart Charity, we employ Postman as our go-to API development and testing tool, allowing our team to streamline the creation, testing, and management of APIs. Postman's intuitive interface and robust features enable us to design, document, and share APIs

effectively, ensuring the seamless integration and functionality of our charitable platform's services.

## **3.2. Technologies**

Following are the Technologies.

- React
- Bootstrap
- JavaScript (JS)
- CSS
- MongoDB
- Node Js
- Express

### **3.2.1. React**

At Kind Heart Charity, we harness the power of React as our primary front-end JavaScript library, enabling us to create dynamic and responsive user interfaces for our charitable web platform. React's component-based architecture and efficient rendering capabilities empower us to build engaging and scalable UI components, enhancing the user experience and facilitating seamless interaction with our platform's features and functionalities.

### **3.2.2. Bootstrap**

At Kind Heart Charity, we harness the capabilities of Bootstrap to streamline and expedite our front-end development process. Bootstrap's robust framework and pre-designed components enable us to create responsive, mobile-first web pages and applications efficiently. By leveraging Bootstrap's grid system, responsive utilities, and extensive library of CSS and JavaScript components, we ensure a consistent and visually appealing layout, enhancing the accessibility and usability of our charitable platform across various devices and screen sizes.

### **3.2.3. JavaScript (JS)**

At Kind Heart Charity, JavaScript (JS) plays a pivotal role in enhancing the functionality and interactivity of our web platform. Leveraging JS's versatility and power, we enrich our user experiences by implementing dynamic features, interactive elements, and responsive functionalities. JavaScript empowers us to create engaging and seamless interactions, allowing us to deliver a more immersive and user-centric experience across our charitable initiatives.

### **3.2.4. CSS**

At Kind Heart Charity, CSS forms the cornerstone of our web design strategy, enabling us to enhance the visual presentation and aesthetics of our charitable platform. By utilizing CSS, we meticulously style and design the layout, colors, typography, and overall appearance of our web pages, ensuring a cohesive and visually appealing user interface. CSS empowers us to create engaging and user-friendly designs, contributing to a seamless and captivating user experience for our audience.

### **3.2.5. Mongodb**

At Kind Heart Charity, MongoDB serves as our preferred NoSQL database solution, facilitating efficient and scalable storage for our charitable platform's data. Leveraging MongoDB's flexible document-based structure and scalability, we effectively manage and organize diverse datasets related to donations, beneficiary information, and user profiles. MongoDB's robust features empower us to handle complex data requirements, ensuring seamless data storage, retrieval, and management, thereby supporting our mission to efficiently serve and assist those in need within our communities.

### **3.2.6. Node Js**

At Kind Heart Charity, we harness the capabilities of Node.js as the backbone of our server-side development. Node.js empowers us to build scalable and high-performance applications for our charitable platform. Leveraging its event-driven architecture and extensive package ecosystem, Node.js enables efficient handling of server-side logic, facilitating rapid development and deployment of robust APIs and backend services. Node.js's non-blocking I/O model further enhances our platform's responsiveness, ensuring a smooth and efficient experience for our users as they engage with our charitable initiatives.

### **3.2.7. Express**

At Kind Heart Charity, we rely on Express.js as our preferred web application framework for Node.js. Express.js simplifies our server-side development by providing a robust set of features and middleware. Leveraging its minimalist and flexible approach, Express allows us to create efficient and scalable web applications for our charitable platform. With its streamlined routing, middleware integration, and support for various HTTP utility methods, Express.js accelerates our development process, enabling us to build powerful APIs and backend services that support our mission to serve and assist those in need effectively.

## 4. Our Team

Following are the Team Members.

- Abdul Hanan
- Muhammad Bakht Jamal
- Muhammad Hamza

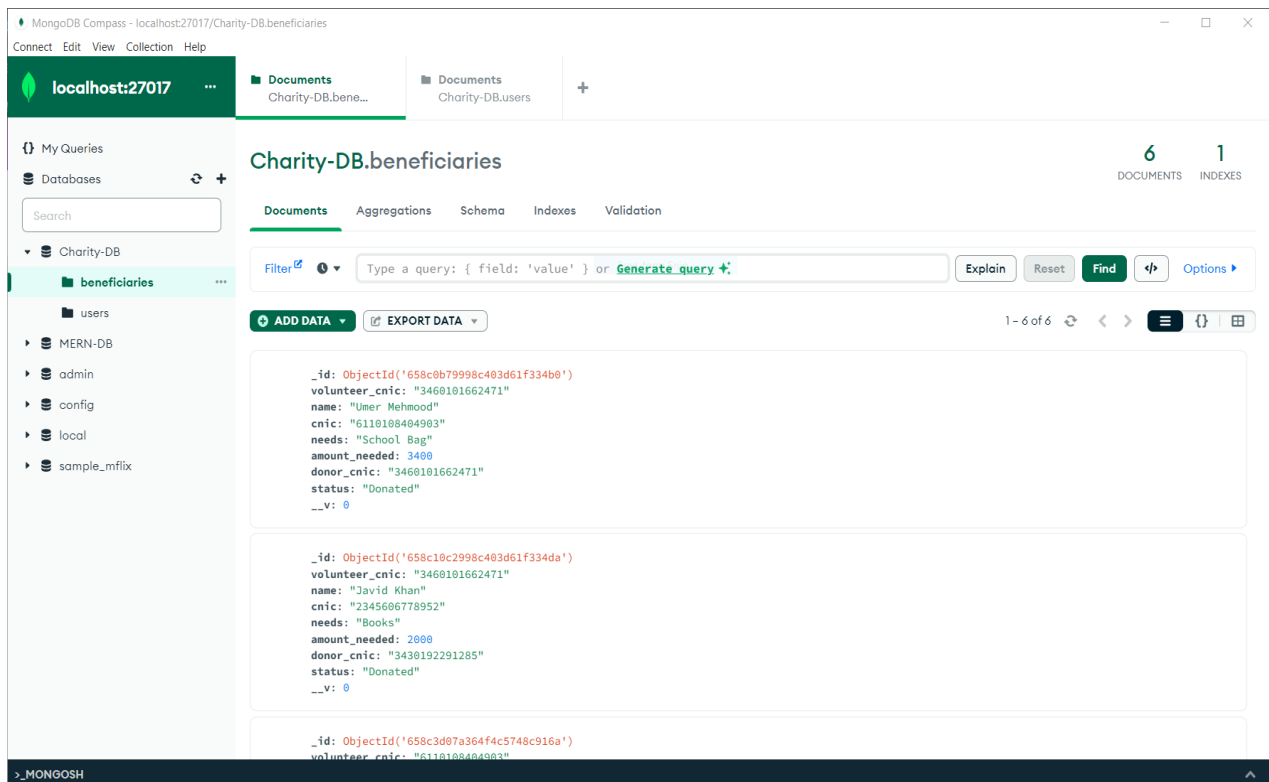
## 5. Logo



## 6. Data Base

Followings are the tables.

- Users
- Beneficiaries



## 7. Code

Explore the codebase of Kind Heart Charity on GitHub and dive into the intricacies of its implementation. Get a closer look at the development and architecture behind the platform by checking out the code repository.

Link: <https://github.com/Hanan-Nawaz/Kind-Heart-Charity>