

# Front End Engineering-II

Project Report  
Semester-III (Batch-2023)

HELP-RX



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## Abstract

Access to affordable healthcare remains a significant challenge in many regions, with financial barriers often discouraging individuals from seeking necessary medical care or participating in vital resource donation. This problem is particularly acute for those who are willing to donate blood, organs, or other essential resources but face difficulties due to high healthcare costs. Help-RX is an innovative initiative designed to tackle this issue by creating a supportive network that connects resource donors with discounted medical services.

The core objective of Help-RX is to bridge the gap between individuals willing to contribute to the healthcare system and their access to affordable medical care. The initiative partners with medical facilities and healthcare providers to offer significant discounts on medical services to those who have donated blood or other vital resources. By doing so, Help-RX provides a dual benefit: it incentivizes more people to participate in donation programs and alleviates the financial burden associated with accessing healthcare services.

Help-RX operates on a model where donors receive tangible rewards for their contributions. Once individuals donate blood or other resources, they are provided with a Help-RX voucher or card that entitles them to discounted rates on various medical services, including consultations, treatments, and preventive care.

The initiative is structured to create a win-win situation for all stakeholders. For donors, it offers a practical and immediate benefit that makes the act of giving more rewarding and manageable, especially for those who might otherwise struggle to afford healthcare. For medical facilities, partnering with Help-RX provides an opportunity to increase their patient base and promote a community-focused approach to healthcare. Additionally, the program helps improve overall healthcare access by encouraging preventive care and timely medical attention, which can lead to better health outcomes and reduced long-term healthcare costs.

Help-RX also aims to foster a culture of generosity and mutual support within communities.

In summary, Help-RX is a strategic initiative designed to address the challenges of affordable healthcare access by linking resource donation with discounted medical services. By providing practical incentives for donors and alleviating financial barriers to care, Help-RX seeks to enhance donor participation, improve healthcare accessibility, and foster a more supportive healthcare ecosystem. This innovative approach not only benefits individual donors but also strengthens the overall healthcare system by promoting a culture of giving and improving access to essential medical services.

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# **1.Introduction**

## **1.1 Purpose**

The goal of this project is to create a comprehensive web platform designed to bridge the gap between donors with surplus or unused medicines and individuals in need who may struggle to afford them. By fostering a community-driven approach, the platform aims to ensure that medicines are not wasted but instead efficiently redistributed to those who require them the most. This initiative seeks to promote accessibility, reduce medical waste, and support the well-being of underserved populations by making essential medicines more affordable and accessible.

## **1.2 Scope**

The platform will offer a comprehensive system for user registration, enabling different roles such as donors, needy individuals, and administrators. It will feature a robust medicine listing section, coupled with an advanced search functionality for easy retrieval of medicines. The platform will also facilitate a seamless donation process, allowing donors to contribute medicines. Additionally, it will include a management system for handling requests from needy individuals, ensuring that medicine donations are distributed effectively to those in need.

## **1.3 Objectives**

The objectives are to create an intuitive and user-friendly interface that enables both donors and needy individuals to connect seamlessly. The platform aims to facilitate the secure and efficient exchange of medicines while ensuring proper tracking and management of donations. This system will enhance accessibility, accountability, and transparency in the donation process.

## 1.4 Overview

This document provides a comprehensive overview of the project, detailing both the functional and non-functional requirements, the system architecture, and the specific roles and responsibilities of the team members. Additionally, it outlines the task assignments to ensure a clear understanding of each team member's contributions and the overall project workflow.

## **2.Problem Statement**

In many regions, access to affordable healthcare remains a significant challenge, especially for individuals who are willing to donate blood or other vital resources. Help-RX aims to address this issue by providing donors with discounted medical facilities, ensuring that their generosity is rewarded with affordable healthcare options. This initiative seeks to bridge the gap between donors and accessible medical services, encouraging more people to donate while alleviating the financial burden of healthcare costs.

## **3.Functional Requirements**

### **3.1 User Registration and Authentication**

- Users (donors and needy individuals) must register with their details.
- Administrators will have higher access privileges.

### **3.2 Medicine Listing and Search**

- Donors can list medicines with details such as name, quantity, and expiry date.
- Users can search for available medicines using filters.

### **3.3 Donation Process**

- Donors can donate medicines, and needy individuals can request these donations.
- The system will facilitate communication between donors and needy individuals.

### **3.4 Tracking and Notification**

- Track the status of donations and requests.
- Users will receive notifications about the status of their requests or donations.

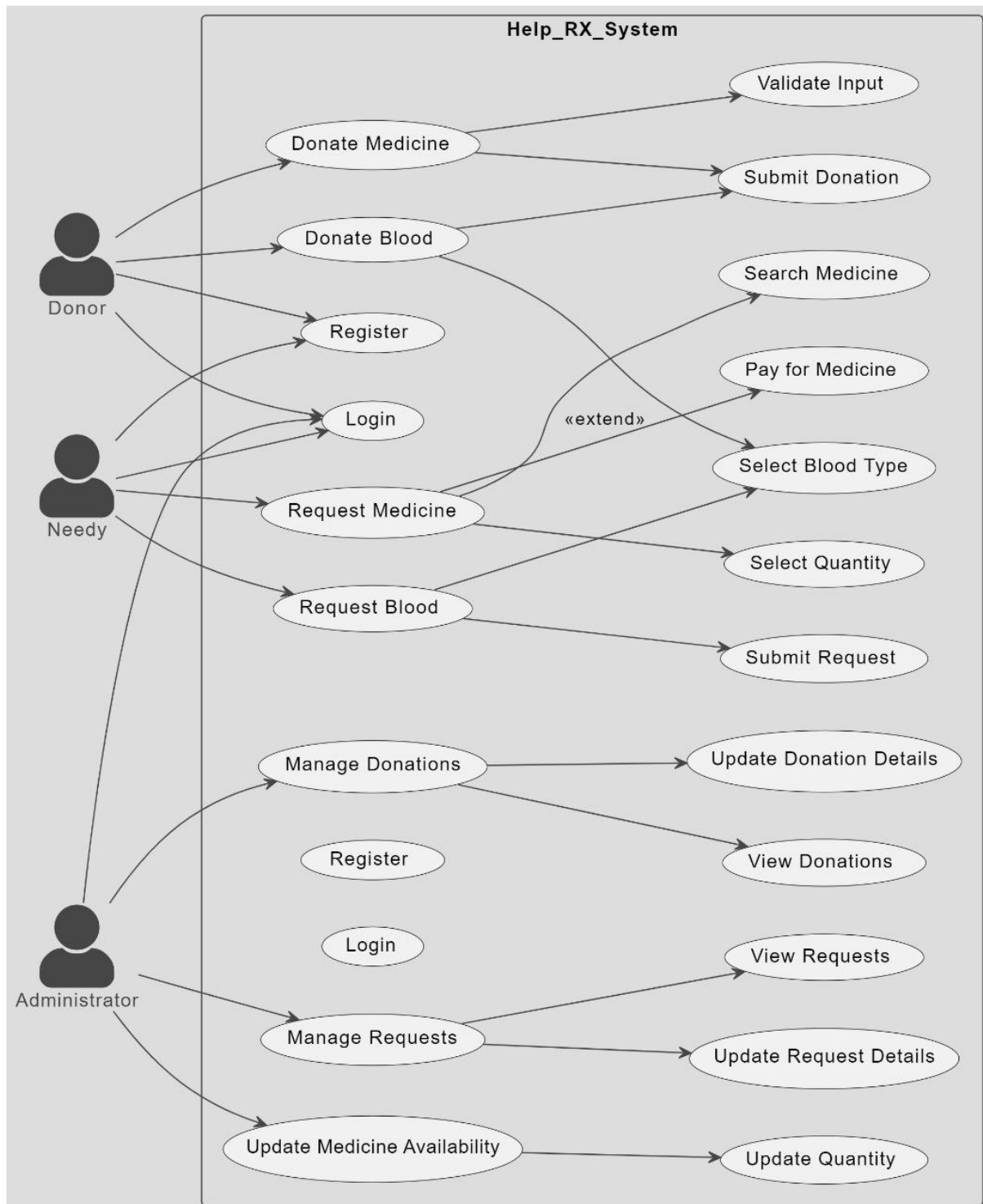
### 3.5 Admin Panel

- Administrators can manage users, approve or reject donations, and oversee the overall operation.

## 4.Methodology

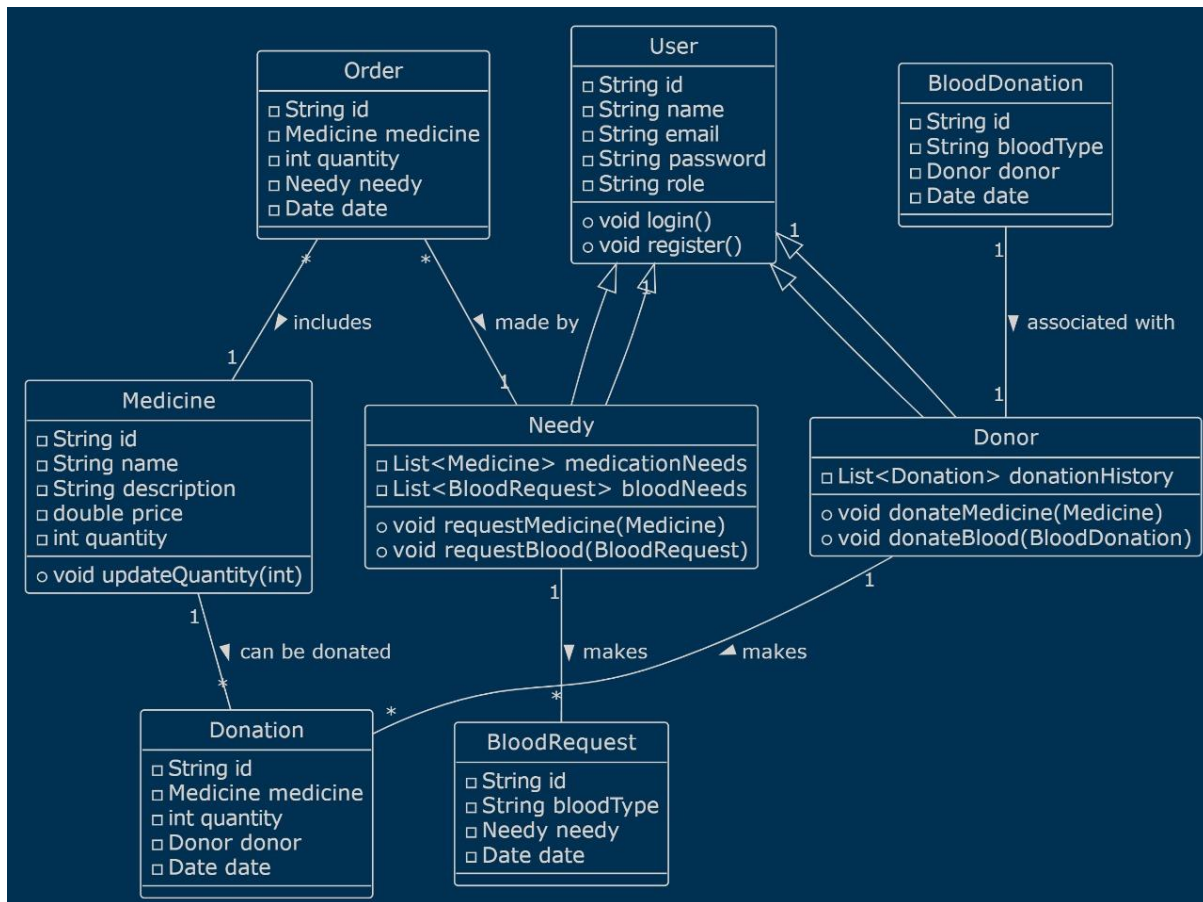
### 4.1 UML Diagrams

#### 4.1.1 Usecase

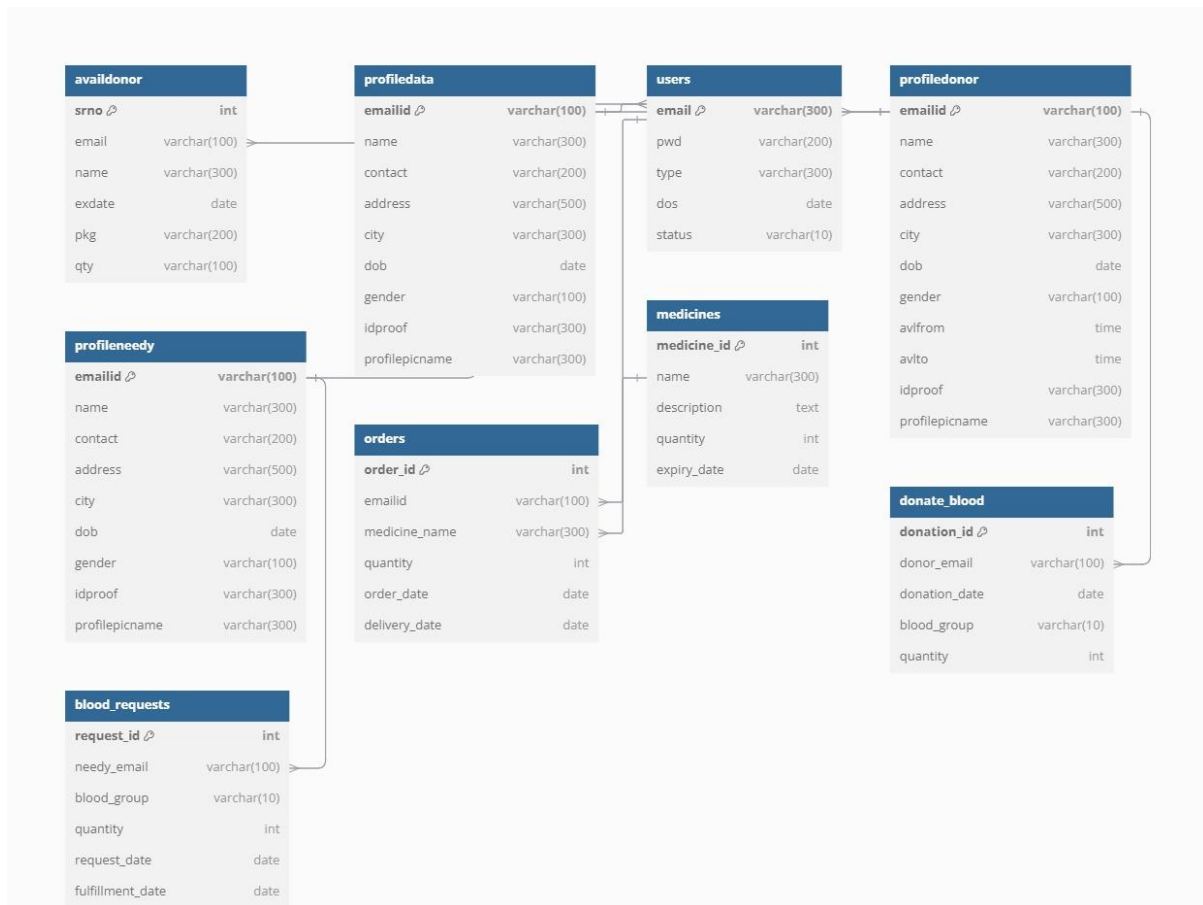




### 4.1.2 Class Diagram



### 4.1.3 Database Structure



## 4.4 Figma Design/Wireframe Diagram

### Welcome to Help-RX

Please fill out this form to create an account

Admin

Donor

Needy

Full Name

Enter your full name

Email

Enter your email

Phone Number

Enter your phone number

Password

Create a password

Phone Number

Enter your phone number

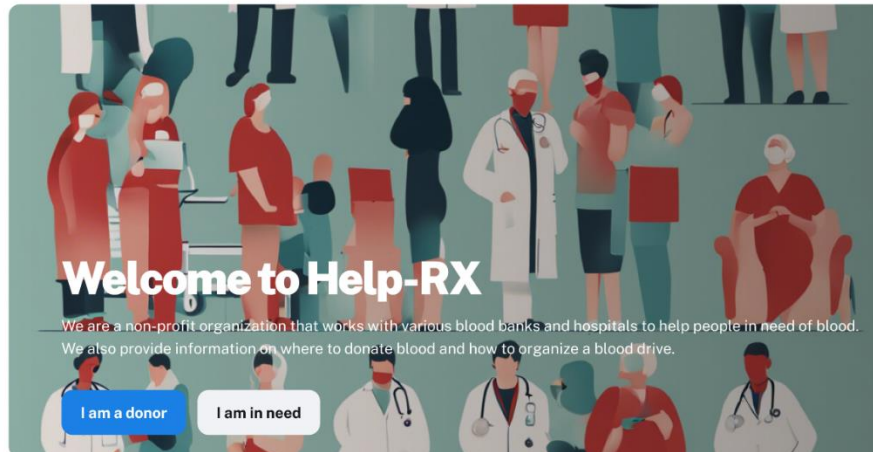
Password

Create a password

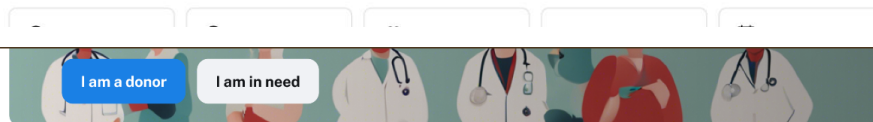
Confirm Password

Re-enter your password










Create Account



## Services



## Services

 <p><b>Emergency Services</b></p> <p>We provide emergency blood supply services for hospitals and patients.</p>	 <p><b>Blood Bank</b></p> <p>We have a blood bank that provides blood to hospitals and patients.</p>	 <p><b>Volunteer Work</b></p> <p>We offer volunteer opportunities for people who want to help others.</p>	 <p><b>Donate Blood</b></p> <p>We accept blood donations from people who want to help others.</p>	 <p><b>Blood Drive</b></p> <p>We organize blood drives to encourage people to donate blood.</p>
 <p><b>Blood Type Info</b></p> <p>We provide information about different blood types and their characteristics.</p>	 <p><b>Home Care</b></p> <p>We offer home care services for patients who need regular blood transfusions.</p>	 <p><b>Blood Disorders</b></p> <p>We provide treatment for patients with blood disorders and other related conditions.</p>	 <p><b>Blood Pressure</b></p> <p>We provide medical advice and treatment for patients with high blood pressure.</p>	

## How it works

[Learn more](#)

### For Admin

For admin and hospitals

[Learn more](#)

### For Donors

For blood donors

[Learn more](#)

### For Needy

For patients in need of blood

[Learn more](#)

## Welcome to Help-RX

Please login to  
continue

[Login](#)

## Dashboard

Total Donors

21,000

Total Requests

5,200

Total Medicines

3,000

Total Hospitals

1,500

### Latest Activities

-  Hemant donated blood  
2 hours ago
-  Chitra needs O+ blood  
5 hours ago
-  Ravi needs medicine  
10 hours ago

### Quick Links



### Latest Activities

-  Hemant donated blood  
2 hours ago
-  Chitra needs O+ blood  
5 hours ago
-  Ravi needs medicine  
10 hours ago

### Quick Links



Donors

Requests

Medicines

Hospitals

## 5. References

5.1)

<https://www.figma.com/proto/LXBq32uBpJLsUBdmBcKB9Y/Help-RX?node-id=1-4&starting-point-node-id=1%3A4>

5.2) <https://getbootstrap.com/>