



TheDonor.lk



Group CS 08

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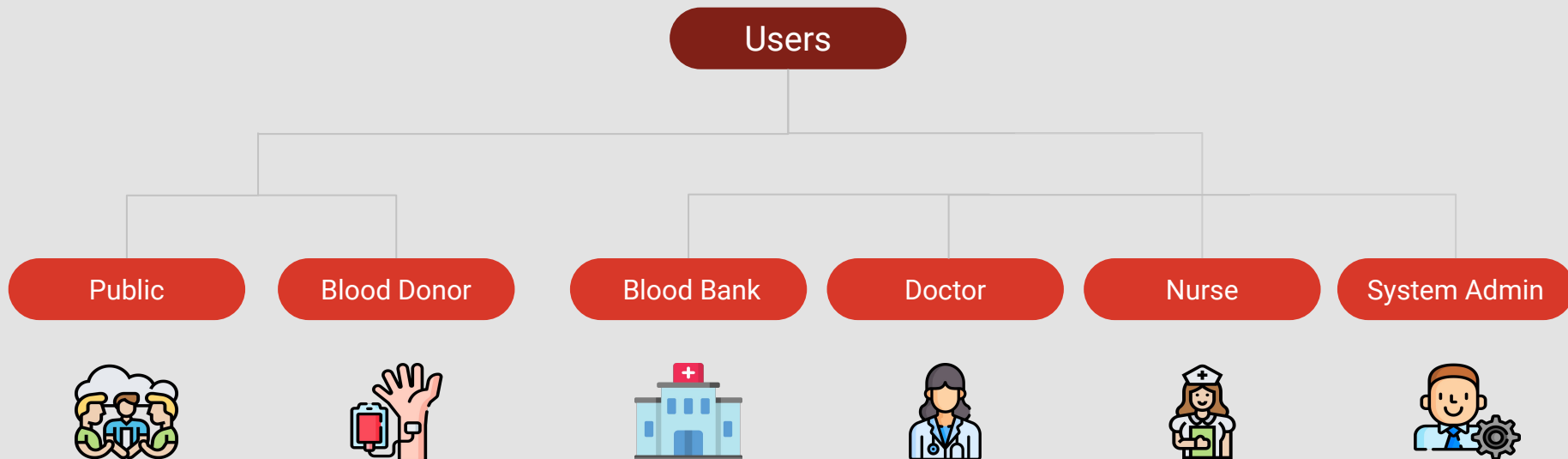
Introduction

TheDonor.lk is a community driven social media like platform exclusively for blood donors.

Furthermore, providing all stakeholders with minimal services to handle all aspects of blood transfusions.



Stakeholders

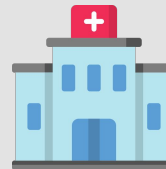


Project Scope

(In Scope)



Donor Management



Blood Bank Management



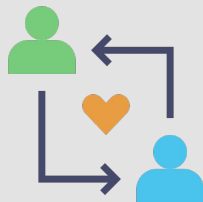
Donation Management



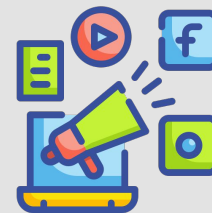
Blood Stock Management

Project Scope cont.

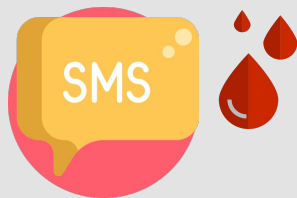
(In Scope)



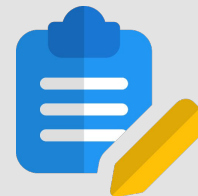
Personal Profile Accessibility



Posting Service



Notification System (In-app, SMS, Email)



Reports Generation

Project Scope

(Out of Scope)

- Mobile Application
- Public Profiles for Nurses, Doctors and Blood Banks
- Platelet only Donations



Non-Functional Requirements

- Portability
- Security and Privacy
- Reusability and Integrability
- Reliability and Safety
- Usability and Performance



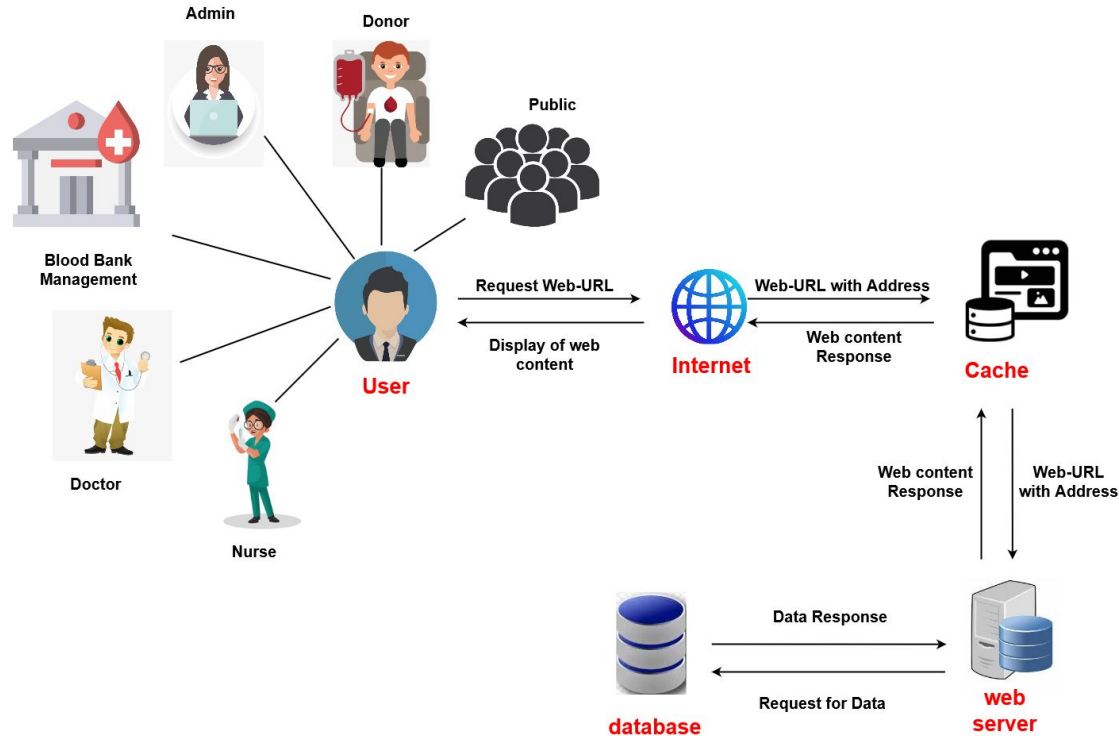
Panel Feedback from Interim

- Separate Emergency requirements in **Donor UI**.
- Detailed report for Blood banks with **Export PDF** feature.
- **SMS notification** for nearest blood donors with the required blood group in an emergency.

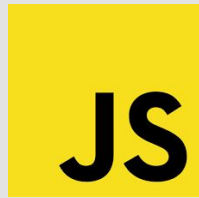




High Level System Architecture



Technical Exposure



MySQL Cluster



Application
Hosting

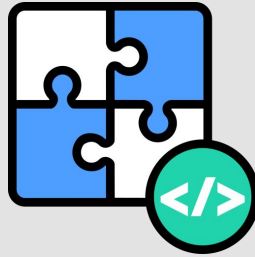


Meghadhuta
SMS Server

System Testing



Unit Testing

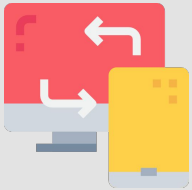


Integration Testing



System Testing

Quality of the Product



Responsive user interfaces to support access from any device



Platform independent applications are used when developing



All details of Blood Banks are verified before registration to the system



Role based access control (Donor, Blood Bank, Doctor, Nurse, Admin)



Secure data transfer through HTTPS

Overall System Completeness



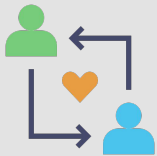
Blood Bank Management Service

- Blood Bank Registration
- Doctor Registration
- Nurse Registration



Inventory Management Service

- Blood Stock Management
- Blood Stock Transfer



Donation Service

- Blood Donation Campaigns
- Appointments



Social Media Service for Donors

- Posting Service
- Public profile for donors



Thank you

“ Donate Blood So That Other People Are Also
Encouraged To Do So.”

Demonstration

TheDonor.lk

