

BLOOD AND ORGAN DONATION MANAGEMENT SYSTEM

PROJECT MEMBERS

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ABSTRACT

“Bring a life back to power. Make *Blood and Organ Donations* as your responsibility.”

The Blood and Organ donation is the process when a person allows his/her immortal body parts to be removed or transplanted to another human life legally, either by consent while the donor is alive or dead with ascend of the next of kin. Donation may be for research or more commonly health transplantable organs and tissues may be donated to be transplanted into another human life.

Since day-to-day life style of humans is getting varied and evolved periodically they are immune to health which eventually leads to organ and blood related diseases. So the need of donating organs become mandatory. Due to improper management of donation and transplantation of human organs and tissues there exists a requirement of proper management system.

To overcome the above crisis, we need a proper and systematic approach to manage the donation process and comfortable to assist the situation we require to develop a blood and organ donation management system.

Here we likely to develop a blood and organ donation system. The purpose of the management system is to automate the record keeping of members, donors and recipients, request for organs and blood with a view enhance the decision making functionalities. It only deals with the management organ and blood donation and the request for it. It doesn't provide any other additional functionalities like donor's location and address or any other personal information to other members to ensure the privacy of members.

The project is developed using NetBeans IDE for developing front-end environment build upon robust language Java and the back-end data storage of members, administrators, request etc. are managed by MySQL.

MODULES AND FUNCTIONALITIES

❖ Administrators

- Adding and Removing Administrators
- Adding Organization Members
- Updating and Deleting Organization Members
- Viewing User Feedbacks

❖ Organization

- Requesting Updates
- Adding and Removing New Volunteers
- Confirming The Blood and Organ Request by Members
- Viewing of Members List
- Viewing of Volunteers List
- Providing Notifications for Members
- Providing Feedbacks

❖ Volunteers

- Update the Donation Data

❖ Members

- New Membership
- Update and Delete Membership
- Donation
- Request for Blood and Organs
- Providing Feedbacks

SOFTWARE REQUIREMENTS

Software Languages	: Java & SQ
Frontend Language	: Java
Backend Language	: SQL
IDE	: NetBeans IDE
Standalone Server	: MySQL
Runtime Environment	: Java Runtime Environment (Embedded)
Operating System	: Windows, Linux

HARDWARE REQUIREMENTS

Processor	: Intel® Pentium / AMD FX (Dual Core) above
RAM	: 1 GB and above
Hard Disk	: 2 GB and above
Display	: LED 15.6" @ 1024 x 786 above
Media	: USB/DVD/Internet