

Blood Bank And Donation

**Course
Teacher**

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This proposal project is submitted as a partial fulfillment of the requirement for the Software Engineering Course (Sessional).

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Overview

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- Problem Statement
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- Thank You



Introduction

- A web-based blood donation management system.
- Built using HTML, CSS (Tailwind + DaisyUI), PHP, and MySQL. [3][4][6][7]
- Facilitates connection between blood donors and recipients.
- Responsive web application accessible across all devices.
- Streamlines the blood donation process through digital automation.

Problem Statement

- Difficulty in finding blood donors during emergencies.
- Lack of centralized system for blood donor information.
- Time-consuming manual process for donor-recipient matching.
- Limited accessibility to blood donor information.
- Inefficient communication between donors and recipients.

[1][2]

Motivation

- Save lives through quick access to blood donors.
- Bridge the communication gap between donors and recipients.
- Create awareness about blood donation.

- Create a user-friendly platform for blood donation.
- Promote social responsibility.
- Modernize the blood donation process through technology.

Aim and Objectives

PRIMARY AIM

To develop a comprehensive web-based blood bank management system that efficiently connects blood donors with recipients.

OBJECTIVES

- Create a user-friendly donor registration system.
- Implement efficient donor search functionality.
- Develop a responsive web interface.
- Establish a secure database for donor information.
- Provide educational content about blood donation.
- Enable quick access to donor information in emergencies.

System Limitations

1 Manual donor search process.

2 Limited donor database accessibility.

3 Time-consuming donor verification.

4 Delayed response in emergencies.

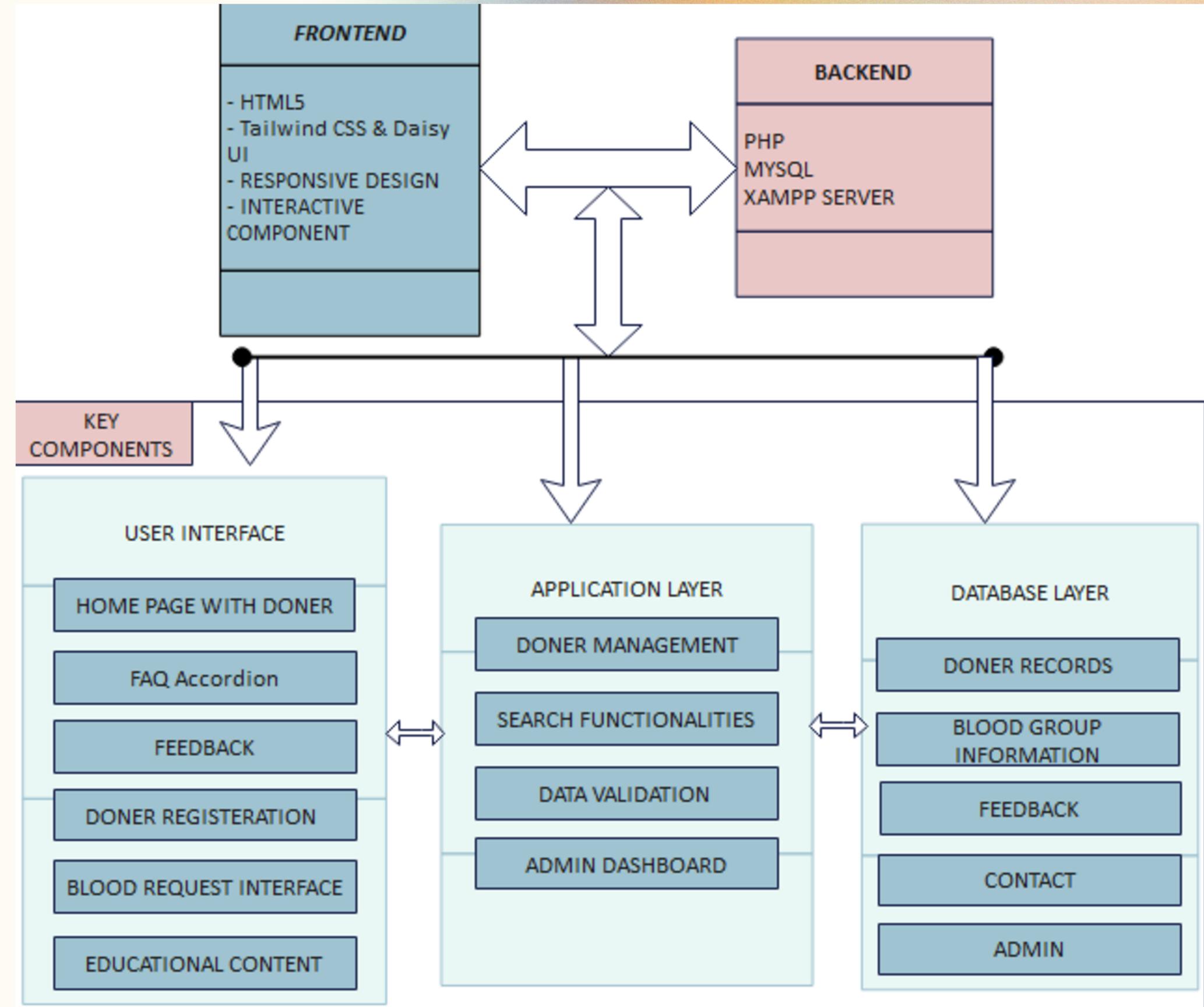
5 Lack of real-time donor information.

6 Limited geographical reach.

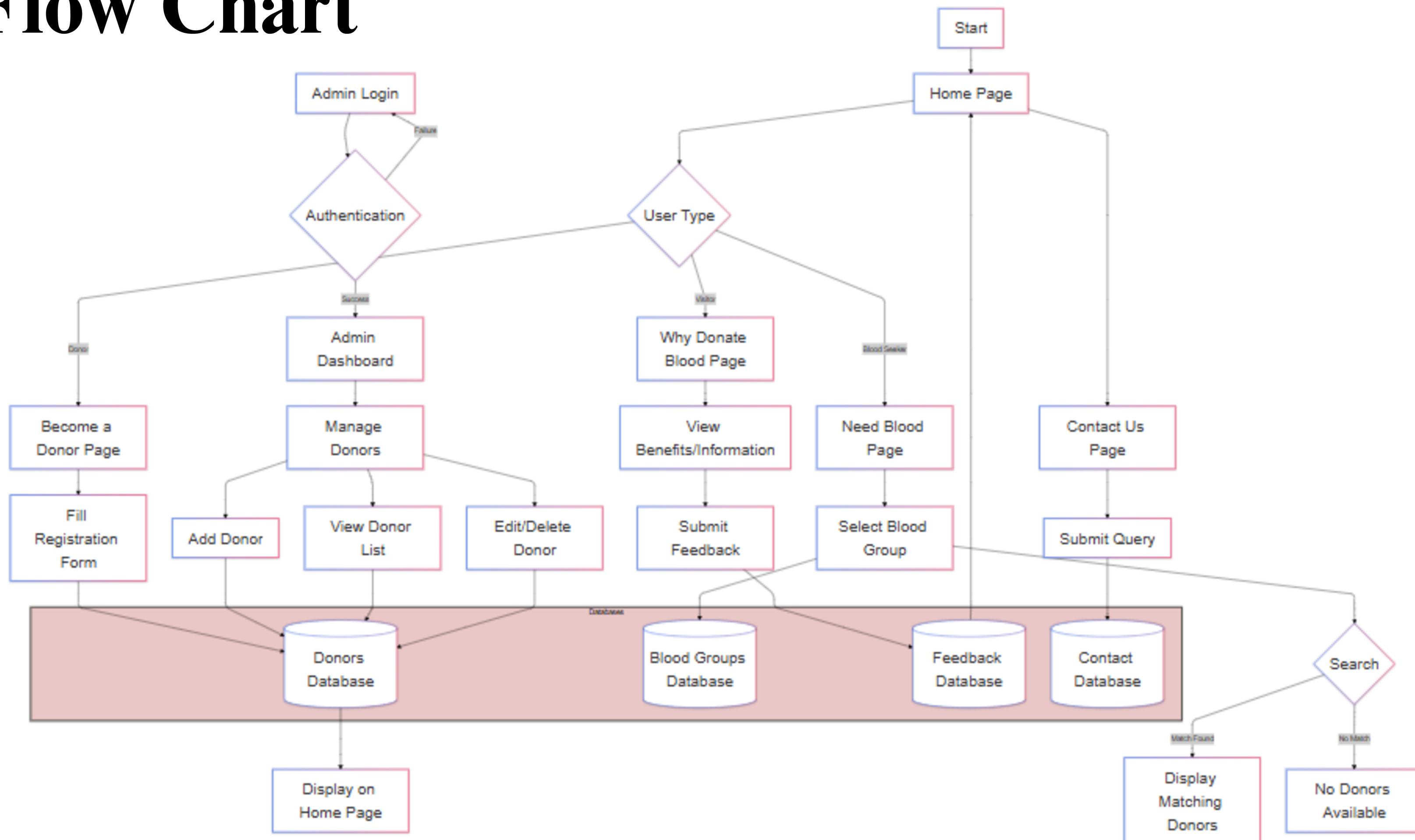
7 Inefficient record keeping.

8 No centralized management system.

System Architecture



Flow Chart



Features and Functionality

User Interface

- Responsive design
- Interactive carousel
- Donor information cards
- Educational accordions
- User feedback display

Functionality

- Donor registration
- Blood group search
- Admin dashboard
- Contact system
- Feedback management

Benefits of Proposed System

For Donors

- Simple registration process
- Profile management
- Social contribution
- Educational resources
- Community engagement

For Recipients

- Quick access to donor information
- Real-time donor availability
- Easy search functionality
- Direct contact with donors
- Emergency response capability

For Administration

- Centralized management
- Efficient donor tracking
- Data analysis capabilities
- Easy record maintenance
- System scalability

Conclusion

- Modern solution for blood donation management.
- Efficiently connects donors with recipients.
- Reduces emergency response time.
- Promotes blood donation awareness.
- Contributes to saving lives.
- Scalable and maintainable system.
- Positive social impact.

References

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Thank you
