

# **ONLINE BLOOD DONOR'S DATABASE MANAGEMENT SYSTEM**

*A Minor project submitted for the partial fulfillment of the requirements for  
the degree of*

**BACHELOR OF COMPUTER APPLICATION**

*Submitted By*

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## Certificate

*This is to certify that the project entitled “**Online Blood Donor’s Database Management System**” submitted by **Soumita Das**, University Roll No: **15201221096**, as Assigned Project (minor) for the partial fulfillment of degree of Bachelor of Computer Application is worth of acceptance.*

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**Soumita Das**

## **Abstract**

The "Online Blood Donor Database Management System" is a virtual platform where people can find the required donors online through this web application, and they can contact each other. Our project aims to foster a strong relationship between people who needs blood on emergency basis and blood donors, operating similarly to an online NGO corporation. Our ultimate milestone is to allow both people who needs blood on emergency basis and blood donors to create profiles with proper verification. The purpose of this website is to assist the most needy people in our society by providing them with blood as soon as possible.

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# 1. Introduction

The **Online Blood Donor's Database Management System** is a comprehensive and meticulously designed platform dedicated to addressing a critical need in healthcare – the availability of safe and timely blood donations. This system is not just an interface; it's a lifeline, connecting donors and blood requesters (Members) in need in a seamless, secure, and efficient manner.

The fundamental objectives of this system go beyond merely providing a web interface. It's about creating a culture of voluntary blood donation and ensuring that life-saving blood is readily available to those facing medical emergencies.

## 1.1 Key Highlights

- **User Interface:** At the heart of this system is a captivating homepage, replete with motivational quotes, a user-friendly navigation bar, and swift access to vital sections. The user segmentation feature tailors the experience for Blood Donors, Blood Requesters (Members), and Administrators, ensuring that everyone finds what they need with ease.
- **User Registration:** The process of becoming a registered user, whether as a Blood Donor or a Blood Requester (Member), is not just a formality. It involves stringent verification procedures, including One-Time Password (OTP) validation, to safeguard data and user identities.
- **User Features:** Once registered, users gain access to a spectrum of features, allowing them to manage their profiles, search for potential donors based on specific criteria, and initiate contact seamlessly. It's about enabling interaction and making the process as hassle-free as possible.
- **Admin Features:** Behind the scenes, the administrator plays a pivotal role in maintaining the integrity of the system. The admin panel provides comprehensive oversight of all user activities, ensuring that the platform remains secure and responsive. The admin can also take action on reports and feedback to further improve the system.

This documentation is not just a list of technical details; it's a blueprint for building a system that has the potential to save lives. From the user interface

to the admin's capabilities, this document serves as a guiding light for the development team, providing a clear path to creating a platform that encourages voluntary blood donation and delivers critical support during medical crises.

As we delve into the specific functionalities and requirements of the Online Blood Donor's Database Management System, we invite you to envision the real-world impact this system can have. It's not just software; it's a lifeline, connecting humanity and fostering a sense of responsibility towards each other.

## **2. Objective and Scope of the Project**

### **2.1 Objective**

**The primary objective** of the Online Blood Donor's Database Management System is to create a robust and user-centric platform that fosters the crucial act of blood donation and fulfills the urgent blood requests of individuals in need. The overarching goal is to ensure a steady and readily accessible supply of blood for those facing medical emergencies.

### **2.2 Scope**

The scope of this project encompasses the development of a comprehensive platform featuring a well-crafted user interface. It includes distinct user segmentation tailored for Blood Donors, Blood Requesters (Members), and the system's administrative role. The system is designed to streamline the registration process, offer user-specific features, and provide administrative tools to manage donor and requester activities efficiently.

**The project's scope covers the following key aspects:**

- **User Interface Design:** A visually engaging homepage with a navigation bar, motivational quotes, and clear links to specific user segments.
- **User Registration:** Registration functionalities for Blood Donors and Blood Requesters (Members), including user verification through OTPs.
- **User Features:** Tailored features for Blood Donors and Blood Requesters (Members) to interact, manage their profiles, and search for potential donors.
- **Admin Features:** Administrative tools to monitor and oversee user activities, including the ability to handle reports and ensure platform integrity.
- **Reporting and Management:** A robust reporting system that allows users to report any concerns or issues, promoting a safe and trustworthy environment.

- **User Verification and OTP Functionality:** Secure user verification and OTP functionality to maintain data integrity and security.
- **Secure Login and Profile Management:** Ensuring that user accounts and data remain secure and accessible only to authorized individuals.

The project's primary objective and comprehensive scope serve as the foundation for the development of the Online Blood Donor's Database Management System. The system's ultimate aim is to save lives and foster a culture of voluntary blood donation for the betterment of society.

### **3. Theoretical Background**

#### **3.1 Frontend**

The part of a website that the user interacts with directly is termed the front end. It is also referred to as the ‘client side of the application. It includes everything that users experience directly: text colors and styles, images, graphs and tables, buttons, colors, and a navigation menu. HTML, CSS, and JavaScript are the languages used for Front End development. Responsiveness and performance are the two main objectives of the Front End. The developer must ensure that the site is responsive i.e. it appears correctly on devices of all sizes no part of the website should behave abnormally irrespective of the size of the screen.<sup>[1]</sup>

- HTML (Hypertext Markup Language)**

HTML stands for Hypertext Markup Language. It is used to design the front-end portion of web pages using a markup language. HTML is a combination of Hypertext and Markup language. Hypertext defines the link between web pages.<sup>[1]</sup>

- CSS (Cascading Style Sheets)**

Cascading Style Sheets fondly referred to as CSS is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages.<sup>[1]</sup>

- JavaScript**

JavaScript is a famous scripting language used to create magic on sites to make the site interactive for the user. It is used to enhance the functionality of a website to run cool games and web-based software. Applicable in both front-end and back-end, JavaScript is key to becoming a good developer.<sup>[1]</sup>

- Bootstrap**

Bootstrap is a popular front-end framework that provides a collection of pre-designed HTML, CSS, and JavaScript components. It offers a responsive grid system, CSS styles, and interactive components such as buttons, forms, navigation menus, modals, and carousels. Bootstrap simplifies the process of building responsive and mobile-first websites by providing a consistent and customizable foundation. It utilizes CSS classes and JavaScript plugins to enhance the visual appearance and functionality of web pages.<sup>[2]</sup>

- **jQuery**

jQuery is a fast, lightweight, and feature-rich JavaScript library. It simplifies common JavaScript tasks, such as DOM manipulation, event handling, animation, and AJAX interactions. jQuery provides a concise syntax and a wide range of built-in functions that abstract away cross-browser inconsistencies. It allows developers to write less code and achieve the same results, increasing productivity and efficiency.<sup>[3]</sup>

## 3.2 Backend

The backend is the server side of the website. It stores and arranges data, and also makes sure everything on the client side of the website works fine. It is part of the website that you cannot see and interact with. It is the portion of software that does not come in direct contact with the users. The parts and characteristics developed by backend designers are indirectly accessed by users through a front-end application. Activities, like writing APIs, creating libraries, and working with system components without user interfaces or even systems of scientific programming, are also included in the backend.<sup>[1]</sup>

- **PHP (Hypertext Preprocessor)**

PHP is a popular server-side scripting language primarily used for web development. It is embedded within HTML code and executed on the server before the result is sent to the client's web browser. PHP is known for its simplicity, flexibility, and wide community support. It can be used to generate

dynamic web pages, handle form submissions, interact with databases, and perform various server-side tasks.<sup>[4]</sup>

- **MySQL**

MySQL is an open-source relational database management system (RDBMS). It is widely used for storing, managing, and retrieving structured data. MySQL follows the client-server model, where the MySQL server handles data storage and retrieval while client (e.g., PHP applications) interact with the server. MySQL supports SQL (Structured Query Language) for defining and manipulating databases, tables, and data. It offers features such as data integrity enforcement, indexing, transactions, and scalability.<sup>[5]</sup>

## 4. Problem Definition

Blood donation is a critical and often life-saving component of modern healthcare. While it plays a pivotal role in addressing emergencies, surgeries, and various medical conditions, there exist several challenges that impede the efficient management of blood donation processes. The Online Blood Donor's Database Management System is designed to address these challenges and provide an effective solution to the following key problems:

### ➤ Inefficient Blood Donation Coordination

- **Challenge:** One of the primary challenges in the realm of blood donation is the coordination of donors and recipients. Coordinating blood donation efforts, especially in time-sensitive situations, can be a complex and daunting task. Many blood donation requests go unfulfilled due to the lack of an organized and rapid system to connect donors with those in need.
- **Solution:** Our system addresses this challenge by providing a seamless and user-friendly platform for both blood donors and blood requesters (Members). It facilitates quick and efficient connections, ensuring that blood donation requests are met promptly. The platform streamlines the entire process, making it easier for both donors and recipients to interact, thereby reducing the time it takes to arrange a blood donation.

### ➤ Limited Blood Donor Visibility

- **Challenge:** Another prevalent issue is the lack of visibility for potential blood donors. People willing to donate blood may not always be aware of the demand for blood donations in their locality or region, leading to underutilized resources.
- **Solution:** Our system increases the visibility of blood donation requests. It provides a dynamic platform where donors can readily see blood donation requests, events, and requirements within their community. This heightened visibility encourages donors to respond promptly, making it possible for them to be proactive in contributing to their local communities.

## ➤ Verification and Security

- **Challenge:** Ensuring the security and authenticity of user information is a paramount concern in any online platform. The inclusion of anonymous and unverified users can present significant risks and challenges to the platform's integrity and user safety.
- **Solution:** To mitigate these concerns, our system employs a stringent verification process. Users are required to undergo identity validation, often using One-Time Passwords (OTPs) sent to their registered email. This robust verification process not only assures the authenticity of users but also enhances the overall security of the platform.

## ➤ User Segmentation

- **Challenge:** Different categories of users, including Blood Donors, Blood Requesters (Members), and Administrators, possess distinct needs and requirements. Providing a tailored experience for each user type is essential to ensure that the platform serves its diverse user base effectively.
- **Solution:** Our system addresses this challenge through careful user segmentation. This ensures that users are provided with access to features and functionalities specifically designed to meet their unique needs. For instance, Blood Donors are directed towards actions that allow them to donate blood efficiently, while Blood Requesters (Members) can access the tools needed to find and connect with potential donors.

## ➤ Reporting and Accountability

- **Challenge:** Like any online platform, there exists the potential for misuse or malpractice. Users need to have a reliable means to report concerns or inappropriate behavior, while administrators must have the necessary tools to address these reports effectively.

- **Solution:** The system provides robust reporting mechanisms. Both donors and requesters (Members) can report any concerns or issues they encounter on the platform. The administrator is equipped with the authority and tools to investigate and address reported incidents appropriately. This accountability feature ensures that the platform maintains its integrity and remains a safe and reliable resource for all users.

## ➤ Ease of Accessibility

- **Challenge:** Ensuring that users can navigate the system with ease, access the necessary information, and utilize the platform's features is paramount to its success.
- **Solution:** Our user interface design is rooted in providing an accessible, engaging homepage experience. It incorporates clear navigation, motivational quotes, and user-specific login/signup links to inspire users and make the platform approachable. These design elements enhance the user experience and contribute to the overall user-friendliness of the system.

By addressing these complex challenges, the Online Blood Donor's Database Management System aims to create a cohesive and efficient platform. This platform's objective is to connect blood donors with those in need, cultivate a strong and sustainable blood donation culture, and contribute significantly to the overall health and well-being of communities and healthcare systems.

## 5. System Analysis and Design via user Requirements

The system analysis and design process for the Online Blood Donor's Database Management System is closely aligned with the user requirements outlined in the documentation. The user requirements serve as the foundation for understanding the needs and expectations of various user groups, including Blood Donors, Blood Requesters (Members), and Administrators. Let's relate the system analysis and design process to the documented user requirements:

- **User Interface Design:** The user requirements emphasize the importance of an engaging homepage and a user-friendly navigation bar. During the system analysis and design phase, the development team will focus on creating a visually appealing and responsive user interface. This involves wire framing, prototyping, and ensuring that the interface meets the expectations of users from different categories.
- **User Registration:** The user registration process is a critical component of the system. The system analysis will delve into the specifics of user registration, including the OTP validation process. Design considerations will include user onboarding, data collection, and the integration of security measures to safeguard user identities.
- **User Features:** The user requirements outline specific features for Blood Donors and Blood Requesters (Members) to interact, manage profiles, and search for potential donors. During system analysis and design, these features will be detailed and designed in a way that aligns with user expectations. This may involve creating user personas to understand the unique needs of each user group.
- **Admin Features:** The administrator's role is crucial in maintaining platform integrity, as mentioned in the user requirements. The system analysis will identify the tools and functionalities required by administrators to oversee user activities and respond to reports and feedback. Designing an effective admin panel will be a part of this process.

- **Reporting and Management:** The user requirements highlight the need for a robust reporting system. System analysis will define the reporting mechanisms, including what types of issues can be reported and how they will be processed. Design considerations will ensure that reporting is straightforward and accessible to users.
- **User Verification and OTP Functionality:** The stringent user verification process, including OTP functionality, is crucial for data security. During system design, the mechanisms for user verification and the integration of OTPs will be outlined and implemented in a way that aligns with user security expectations.
- **Secure Login and Profile Management:** Security and data integrity are key user concerns. System design will address secure login procedures and profile management to ensure that user accounts and data are protected, meeting user expectations for privacy and security.
- **User Segmentation:** The user requirements stress the importance of tailored experiences for different user categories. System design will define how user segmentation will be implemented, ensuring that each user group has access to the features and functionalities that cater to their specific needs.

## 6. Feasibility Study

A feasibility study is an analysis that assesses all aspects of a business proposal. This includes economic, legal and technical aspects. Accounting for these elements means that businesses can ascertain whether they can complete a project successfully and whether the yielded results justify the use of resources. This preliminary study also helps identify any potential problem areas in a project so that you can remedy them before you set a plan in motion. Once you've completed a feasibility study, you can determine whether a project goes ahead or gets abandoned. <sup>[6]</sup>

### 6.1 Why Feasibility Study is required?

Feasibility studies are important because they can assist in the formation of business plans and cross-functional assignments. Here are some specific reasons why a feasibility study is important:

- ✓ **Reassure banks and investors:** A feasibility study can convince investors that a project is worth investing in and can therefore boost the amount of project spending you have at your disposal.
- ✓ **Facilitate new business developments:** A business considers several factors if it wants to expand its operations. Feasibility studies allow you to determine any obstacles, necessary resources and how your new undertakings stand in terms of the current market.
- ✓ **Prevent risk:** Feasibility studies provide crucial information regarding a project's success and shortcomings, allowing management to eliminate risk when undertaking new business ventures.
- ✓ **Create effective plans:** The information gathered from a feasibility study can help you implement a realistic and actionable plan for your project.
- ✓ **Identify project issues:** If a feasibility study concludes that your project isn't viable, you can make alterations to accommodate a new plan. This means you can retain what's working while eliminating any issues.
- ✓ **Reduce investment:** A feasibility study provides an accurate account of a project's demands, meaning you can identify any areas where you can reduce costs before the project gets underway. <sup>[6]</sup>

## **6.2 Conclusion :-**

In conclusion, a feasibility study serves as a crucial step in the decision-making process for any business venture. By systematically evaluating economic, legal, and technical aspects, this analysis not only provides a comprehensive understanding of the project's viability but also aids in the development of robust business plans. The importance of feasibility studies is underscored by several key factors.

Firstly, these studies act as a persuasive tool, reassuring banks and investors about the project's potential, thereby enhancing the available funding. This financial support is vital for successful project execution.

Secondly, feasibility studies facilitate new business developments by helping organizations navigate through various considerations when expanding operations. By identifying obstacles, required resources, and market positioning, businesses can make informed decisions about their growth strategies.

Furthermore, feasibility studies play a critical role in risk management. They offer insights into potential success and shortcomings, enabling proactive risk mitigation measures. This proactive approach is instrumental in preventing costly mistakes and ensuring the success of new business ventures.<sup>[6]</sup>

## **7. System Planning**

### **7.1. Introduction to Ms Office Project 2003:-**

Microsoft Office Project 2003, part of the renowned Microsoft Office suite, is a powerful project management software designed to assist individuals and organizations in planning, executing, and tracking projects with precision and efficiency. Released as an integral component of the Office 2003 lineup, Project 2003 offers a comprehensive set of tools and features tailored to meet the diverse needs of project managers, team members, and stakeholders.

This robust project management solution empowers users to create detailed project plans, allocate resources, track progress, and manage timelines effectively. With its user-friendly interface and integrated functionalities, Microsoft Office Project 2003 facilitates seamless collaboration, enabling teams to work together cohesively towards project success.

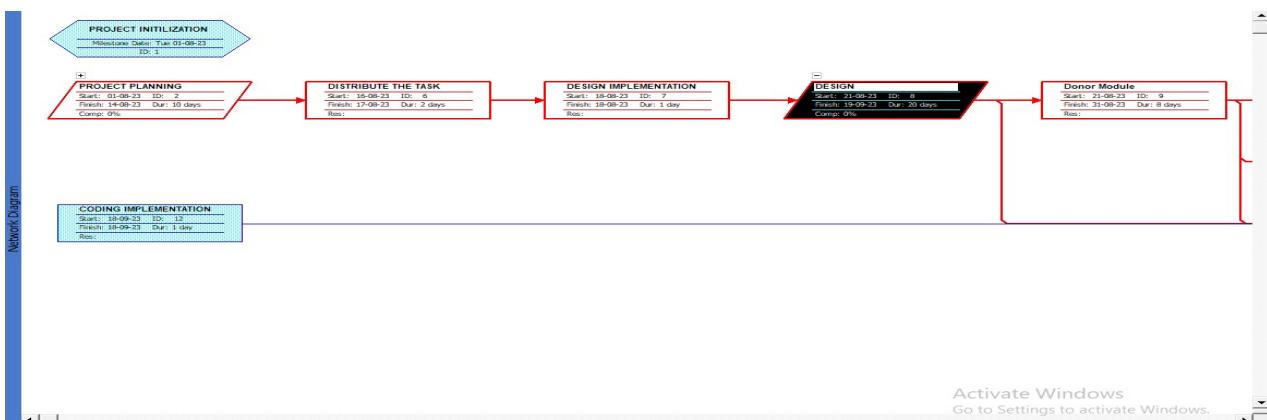
Key features of Microsoft Office Project 2003 include dynamic scheduling, task management, resource allocation, and reporting capabilities. The software allows for the creation of Gantt charts, critical path analysis, and other visual representations to enhance project visibility and decision-making. Additionally, its integration with other Microsoft Office applications streamlines data sharing and communication, fostering a cohesive project management environment.<sup>[7]</sup>

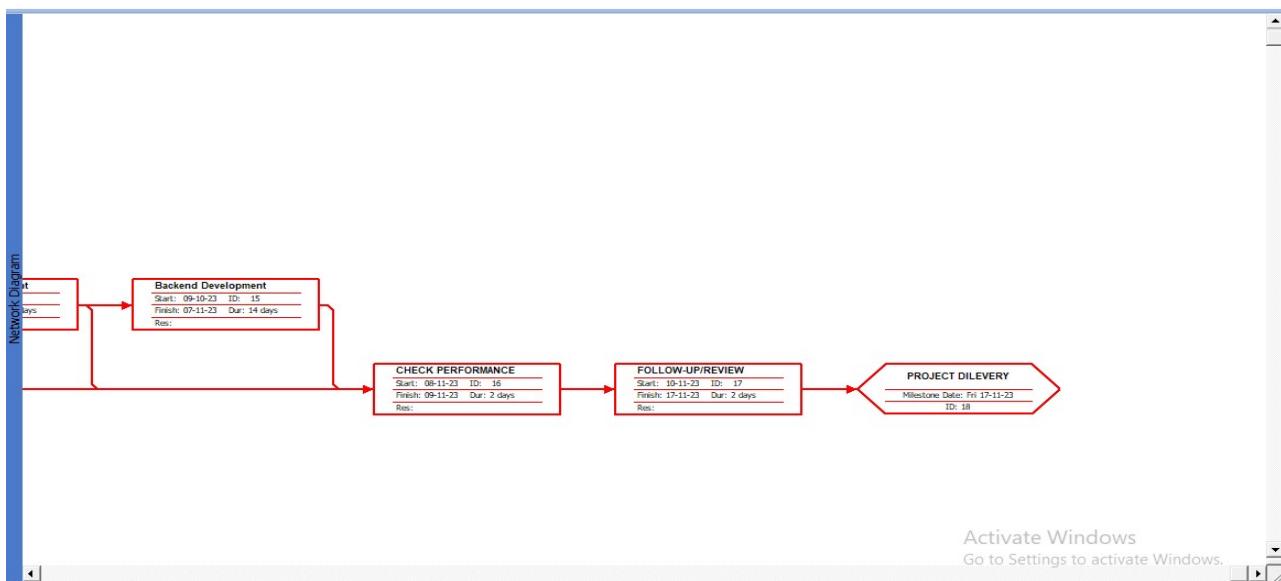
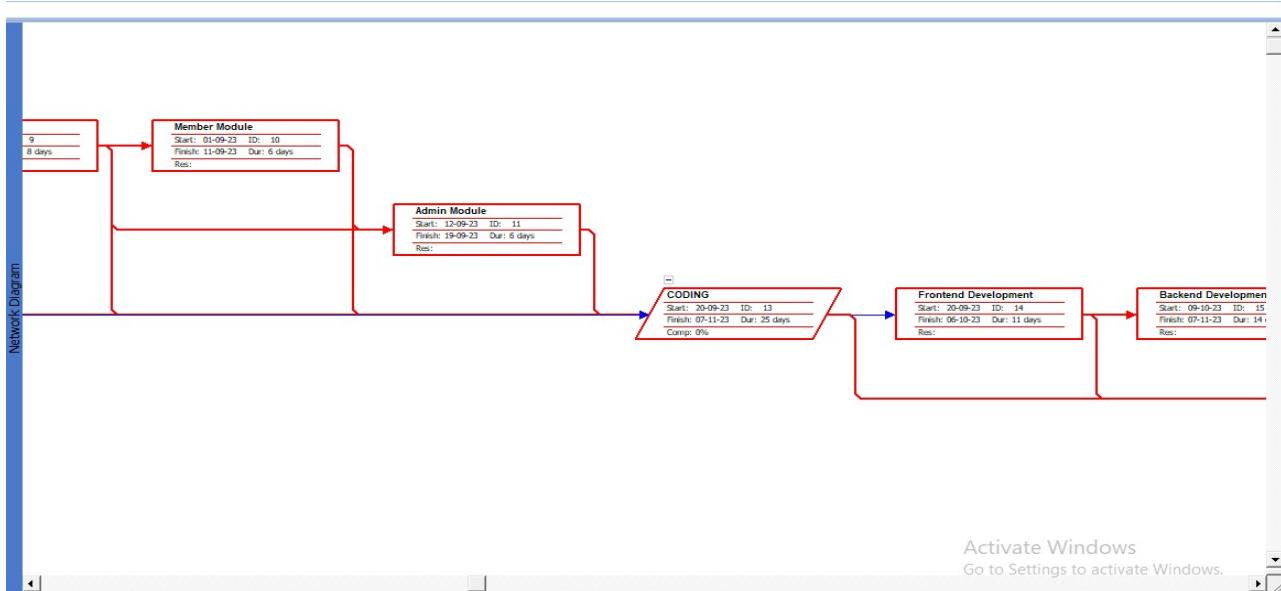
## 7.2 Project Life Cycle Used:-

	<b>i</b>	Task Name	Duration	Start	Finish	Predecessors
1		PROJECT INITIALIZATION	0 days	Tue 01-08-23	Tue 01-08-23	
2	-	PROJECT PLANNING	10 days	Tue 01-08-23	Mon 14-08-23	
3		Identification of work	2 days	Tue 01-08-23	Wed 02-08-23	
4		Selection of work	2 days	Thu 03-08-23	Fri 04-08-23	3
5		Analyze The Problem	6 days	Mon 07-08-23	Mon 14-08-23	4
6		DISTRIBUTE THE TASK	2 days	Wed 16-08-23	Thu 17-08-23	5,2
7		DESIGN IMPLEMENTATION	1 day	Fri 18-08-23	Fri 18-08-23	6
8	-	DESIGN	20 days	Mon 21-08-23	Tue 19-09-23	7
9		Donor Module	8 days	Mon 21-08-23	Thu 31-08-23	7
10		Member Module	6 days	Fri 01-09-23	Mon 11-09-23	9
11		Admin Module	6 days	Tue 12-09-23	Tue 19-09-23	10,9
12	CALENDAR	CODING IMPLEMENTATION	1 day	Mon 18-09-23	Mon 18-09-23	
13	-	CODING	25 days	Wed 20-09-23	Tue 07-11-23	8,9,10,11,12
14		Frontend Development	11 days	Wed 20-09-23	Fri 06-10-23	12
15		Backend Development	14 days	Mon 09-10-23	Tue 07-11-23	14
16		CHECK PERFORMANCE	2 days	Wed 08-11-23	Thu 09-11-23	13,14,15
17		FOLLOW-UP/REVIEW	2 days	Fri 10-11-23	Fri 17-11-23	16
18		PROJECT DILEVERY	0 days	Fri 17-11-23	Fri 17-11-23	17

## 7.3 PERT CHART:-

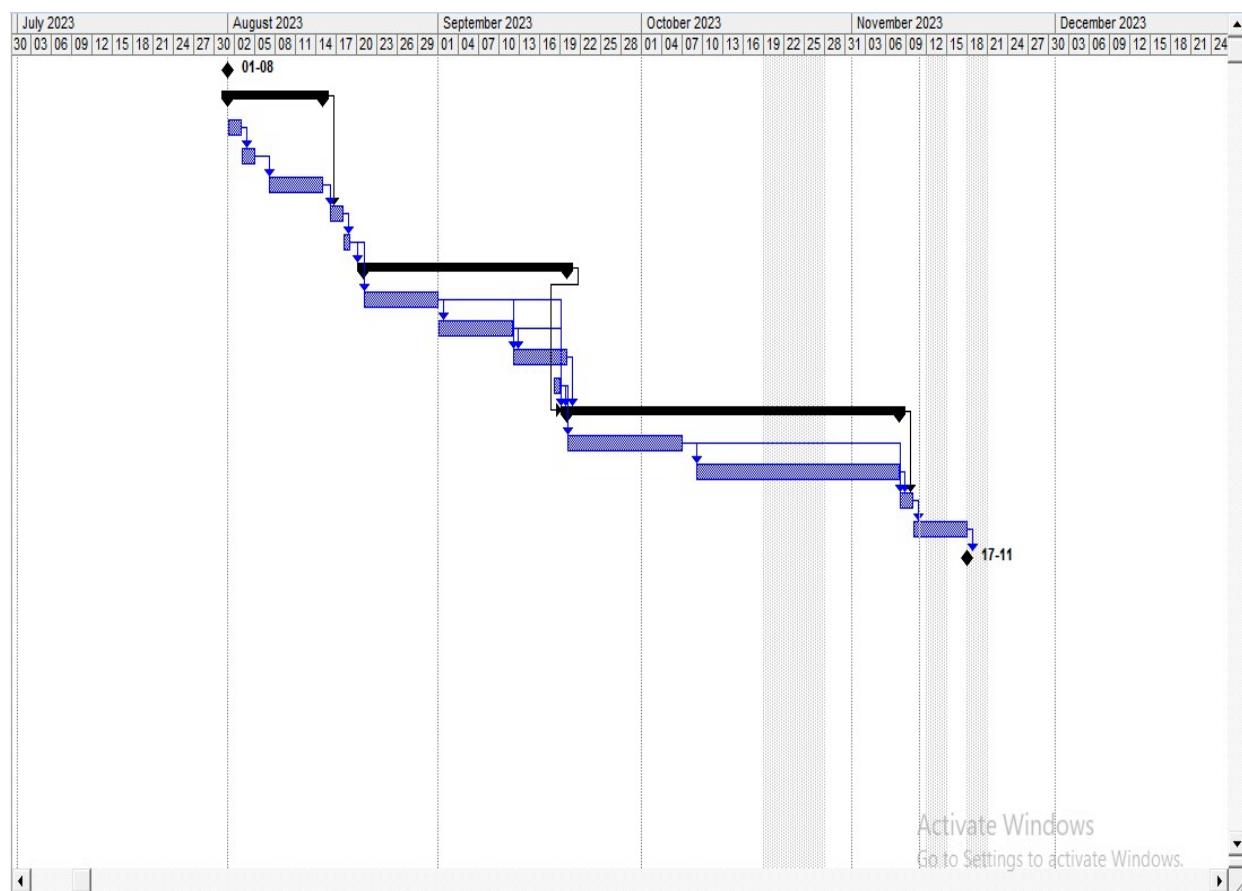
In Microsoft Office 2007, creating a PERT (Program Evaluation and Review Technique) chart involves using the drawing tools available in applications like Microsoft Word or PowerPoint. A PERT chart is a graphical representation of a project's timeline, showing the sequence of tasks and their dependencies.<sup>[7]</sup>





## 7.4 GANTT Chart:-

In Microsoft Office 2007, a Gantt chart is a visual representation of a project schedule that shows the start and finish dates of different elements of a project. It's a powerful tool for project management, providing a timeline view of tasks, their durations, and the dependencies between them. While Office 2007 does not have a dedicated Gantt chart feature. <sup>[7]</sup>



# **8. Software Requirement Specification**

## **8.1 Introduction:-**

- Purpose**

The Online Blood Donors Database Management System .Software Requirements Specification (SRS) document outlines the requirements for the development of a web-based platform that connects blood donors with individuals in need of blood donations. This document serves as a reference for developers, project managers, and stakeholders involved in the The Online Blood Donors Database Management System project.

- Document Conventions**

*This document follows standard document conventions for clarity and consistency. Priority levels for requirements are indicated as High, Medium, or Low. Additionally, requirements are identified by a unique identifier (e.g., REQ-1) for reference.*

- Intended Audience and Reading Suggestions**

*This SRS is intended for developers, project managers, marketing staff, users, testers, and documentation writers. Readers are advised to begin with the overview sections (Sections 1 and 2) before delving into specific sections that are relevant to their roles.*

- Product Scope**

*The "Online Blood Donor Database Management System" is a virtual platform where people can find the required donors online through this web application, and they can contact each other. Our project aims to foster a strong relationship between people who needs blood on emergency basis and blood donors, operating similarly to an online NGO corporation<sup>[8]</sup>. Our ultimate milestone is to allow both people who needs blood on emergency basis and blood donors to create profiles with proper verification. The purpose of this website is to assist the most needy people in our society by providing them with blood as soon as possible.*

## **8.2 Overall Description:-**

- Product Perspective**

*Our aim is to address the blood crisis in our society. Our project aims to create strong bonds between donors and requesters based on their specific needs. This initiative has the potential to save many lives.*

- Product Functions**

*The major functions of the OBDDMS include:*

- User registration and login for blood donors and blood requesters.*
- Profile management for users.*
- Users can authenticate themselves through an OTP verification system sent via email.*
- Search functionality for blood requesters to find suitable blood donors.*
- Reporting system for users to report any issues or concerns.*
- Admin dashboard for monitoring and managing users, reports, and system metrics.*
- Donor can accept or reject the requester's request through contact history tab via website.*
- Non members and also members can put their opinion through 'Contact Us' form.*

- User Classes and Characteristics**

**1. Blood Donors:** *Individuals willing to donate blood.*

**2. Blood Needy Individuals:** *Individuals in need of blood donations.*

**3. Admin:** *Administrators responsible for managing the platform. Characteristics of each user class vary based on their roles and privileges within the platform.*

- Operating Environment**

*The Online Blood Donors Database Management System operates in a web-based environment. It is compatible with modern web browsers such as Chrome, Firefox, Microsoft Bing, Brave, Safari etc. and requires internet connectivity greater than 2mbps. The server-side components will be hosted on a specified web serve .*

- Design and Implementation Constraints**

*Constraints include:*

- Users must meet specific eligibility criteria for blood donation.*
- Security and privacy standards must be followed.*

- ✓ *Users can securely register themselves by means of a robust OTP validation system, ensuring their safe and proper access to the website.*
- ✓ *Both donors and requesters can access each other's contact information, with the option for donors to grant access to requesters through a "Accept Request" button ,for maintaining the utmost confidentiality.*
- ✓ *Donors and requesters are report to each other, and our diligent admin will meticulously scrutinize the reported reasons. Should they find the concerns to be valid and appropriate, the admin may issue a discreet warning through our website, ensuring a fair and just resolution.*
  
- ✓ *If the reported person is reported by various people repeatedly then admin can block his/her profile.*
- *The system must be designed to handle potentially sensitive medical information.*
- **User Documentation**

*User documentation, including user manuals and on-screen help, will be provided along with the software to guide users in utilizing the platform effectively.*

### **8.3 External Interface Requirements:-**

- **User Interfaces**

*In this project, we can use HTML to structure our website. CSS will help us implement various styles, while JavaScript will add logical functionality. Bootstrap can assist in applying a styling framework, and PHP and MySQL will enable us to store and fetch all the data for our project.*

- **Hardware Interfaces**

*To use our platform, you will need a standard web browser such as Google Chrome, Microsoft Edge, Mozilla Firefox, or Safari, as well as a moderate internet connection.*

- **Software Interfaces**

*The Online Blood Donors Database Management System interfaces with web servers, databases, and may incorporate third-party services for email communication and must needed high speed internet connectivity.*

- **Communications Interfaces**

The system will use standard web communication protocols (e.g., HTTP) for user interactions. Email notifications will be sent using email communication protocols (e.g., SMTP).

## 8.4 System Features:-

- **User Interface**

- **Description and Priority**

*The user interface provides an engaging homepage with a navigation bar, motivational quotes, and links to user-specific login/signup pages and other users feedback.*

- **Stimulus/Response Sequences**

*Users can navigate through the interface, access registration/login forms, and explore the platform.*

- **Functional Requirements**

### REQ-1: For Header Section:-

**Logo** :- Our platform's logo serves as a unique identifier.

**Navigation Links**:- A set of essential links is provided for quick access key sections such as Home, Donor Login ,Member Login, About Us, Admin Login and Contact Us.

**User Segmentation**: The user base is categorized into three segments: Blood Donors, Blood Requesters(Member), and Admin. Separate login/signup options are provided for each.

### REQ-2: For Body Section (Home Page/Landing Page):-

- The main body of the home page showcases an engaging image related to blood donation. Accompanying this image are motivational quotes designed to inspire visitors and encourage them to explore our platform and join as donor or requester(Member).
- For Blood Donors: A direct link is incorporated beneath the quote, leading them to the login/signup page tailored for blood donors.
- Similarly, for Blood requester(Member): A distinct link is placed to guide them to their respective login/signup page.

### REQ-3: For Footer Section:-

- The footer section will feature a set of convenient quick links, including Home, About Us, Contact Us, Terms And Conditions, and Privacy Policies.
- To enhance our platform's visibility and engagement, social media icons will be incorporated, allowing users to connect with us through various social channels.

- A copyright symbol will be displayed to safeguard our content and address copyright concerns.

#### **REQ-4:- For Contact Us :-**

- This section includes a dedicated feedback form where donor as well as requesters (member) not members can share their experiences with our project.

#### **REQ-5:- For Anonymous Users/Non Verified Users(Blood Requester(Member) and Blood Donors):-**

- Non-logged in users will have access to specific sections, including our landing page, motivational quotes, the 'About Us' page, and the 'Contact Us' page.
- Blood Needy Individuals who are not logged in will not be permitted to search for blood donors through the platform.
- Similarly, non-logged in Blood Donors will not be able to initiate blood donations until they have logged in.

#### **• User Registration**

##### **▪ Description and Priority**

*Users can register as blood donors or blood requester(Member), providing necessary details.*

##### **▪ Stimulus/Response Sequences**

*Users fill out registration forms, receive verification emails, and enter OTPs for validation.*

- Functional Requirements

#### **REQ-6:- For Logged In Users/Verified Users (Blood Requester(Member) and Blood Donors):-**

- Verified and logged in Blood Donors will have the ability to register their names within our website, contributing to the availability of blood for those in need.
- Verified and logged in Blood requester(Member) will have the privilege to search for the required blood donors and establish contact as necessary.

#### **REQ-7 For Signup for Blood Requester (Member):-**

- Upon clicking the signup button, a registration window will open for individuals in need of blood.
- This registration form will include the following fields:-
  - Name
  - Email Id
  - Phone Number
  - Address
  - Pin Code
  - Blood Group
  - State
  - City

- Picture Upload
- Password
- Confirm Password
- Age
  - Once the form is completed, users can click on the verification button. Subsequently, a unique one-time password (OTP) will be sent to the user's email. Simultaneously, a pop-up window will appear, allowing the user to input the received OTP.
  - If the entered OTP matches the one sent to the user's email, they will be successfully redirected to Login window. In case of a mismatch, users will need to re-enter their details in the same manner as before.

**REQ-8 For Signup for Blood Donors:-**

- An age field can be added including a constraint of below 18.
- The rest process is a replica of the previous process

**REQ-9 For Log In For Blood Donors:-**

- Once the signup process is completed, donors can log into their profiles by entering their registered email id and password.
- If the provided credentials match, donors will be successfully redirected to the Welcome window. However, if there is a mismatch, donor will need to re-enter their details in the same manner as before.

**REQ-10 For Log In For Blood Requester(Member):-**

- This process is a replica of the previous login process.

**● User Features**

■ Description and Priority

After registering users as Blood Donors Or Blood Requester(Member) they can get some specific features which helps them to interacting for the further processes.

■ Stimulus/Response Sequences

In the feature for blood donors, they can maintain their profiles or hide them from others after donating blood. Additionally, a search facility is implemented for requesters(Member), allowing them to search for the required donors for blood donation.

- Functional Requirements

**REQ-11 For Features For Blood Donors:-**

- Upon entering this phase, a welcome message will be displayed in the header section, along with the donor's name.
- The left side of the welcome page features a side navigation bar with the following options:-
  - View Profile: - Allows donors to view their profile (read-only mode).
  - Edit Profile :- Enables donors to edit their profile (read and write access).
  - Change Password :- Requires proper verification for updating the password.
  - Change the availability for donate the blood :- Details for this option are provided below.

- *Contact History:-This section will contain a list of blood requesters(Member) who can try to connect with that particular blood donor. Furthermore donor can accept or reject the request of blood requester via this 'contact history' section.*
- *Blood Donation Eligibility Criteria (All the options can be visible in the availability tab):- The availability tab includes the rules for blood donation, which encompass:<sup>[iii]</sup>*
  - *Age between 18-60 years*
  - *Hemoglobin not less than 12.5gm/Dl*
  - *Pulse Between 50 and 100/min with no irregularities.*
  - *Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.*
  - *Temperature-normal*
  - *Body weight not less than 45k.g*
  - *Any healthy adult both male and female can donate blood in every 3 months.*
  - *Donors should not have any conical disease.*
- *After carefully reviewing the above guidelines, donors can decide whether they are eligible for blood donation. If they meet the criteria, they can click on the "Show Profile" button.*
- *The functionality of the "Hide Profile" button is to hide their profile based on their current availability status.*

#### **REQ-11 For Features For Blood Requester (Member):-**

- *Upon entering this phase, a welcome message will be displayed in the header section, along with the donor's name.*
- *The left side of the welcome page features a side navigation bar with the following options:-*
  - ***View Profile:*** - Allows donors to view their profile (read-only mode).
  - ***Edit Profile :-*** Enables donors to edit their profile (read and write access).
  - ***Change Password :-*** Requires proper verification for updating the password.
  - ***Search Donors:-*** Allows Blood Needy People to search for potential donors.
  - ***View Contact History :-*** Blood Requesters(Member) can check the status of every blood donors whom blood requester requested for blood.
- *After clicking the "Search Donors" option, two input fields are displayed: "Enter Pin Code" and "Enter Blood Group".*
- *The next step is to press the search button to find all the donors that match the specified criteria.*
- *Based on the provided credentials, profiles of potential donors are shown to the requester.*
- *To contact their chosen donor, the requester initiates the contact process.*
- *An auto-generated request email , is sent to the donor's email. If the donor is willing to help the donor go to his profile and check contact history where he/she is able to accept or reject the requester.*

*If donor accepts the blood requester(member) certainly the requester got an auto generated acceptance email and both of the contact number will accessible to both of them.*

- *If any malpractice occurs, requesters (Members) are encouraged to report their concerns through the 'Report Donor' button.*

- Donors can follow the same process by clicking on the 'Report Requester' button.

## • Admin Features

### ▪ Description and Priority

*There will be one specific admin in our website after logged in , admin is permitted to enter into admin panel where he can maintain donors and requester activity.*

### ▪ Stimulus/Response Sequences

*In the feature for admin, they can maintain their profiles. Additionally, admin can maintain all the activities done by all the donors and requesters (Member). Also the admin can check all the reports and taking further actions.*

### ▪ Functional Requirements

#### REQ-12 For Admin:-

- Upon entering this phase, a welcome message will be displayed in the header section, along with the admin's name.
- The left side of the welcome page features a side navigation bar with the following options:-
  - **Dashboard**:- This section displays three key metrics: "Total Donors," "Total Requesters," and "Total Reports."
  - **View Profile**:- Allows donors to view their profile (read-only mode).
  - **Edit Profile** :- Enables donors to edit their profile (read and write access).
  - **Change Password** :- Requires proper verification for updating the password.
  - **View All Donors**:- Stores details of all donors.
  - **View All Requesters**:- Stores details of all requesters.
  - **View All Reports**:- Stores all reports, including date and time information.
  - **View All Site Feedback**:- Stores all feedback related to the website, which are given from donor, requester(member) and not member person.
  - **View all contacted person**:- This section contains the relation between the specific donor and requester along with proper date and time.
  - The admin can review all reports submitted by donors and requesters and verify their accuracy.
  - If the reports are deemed accurate, an auto-generated warning message is sent to the respective donor's or requester's email.

*The admin can issue this warning message by clicking the "SEND WARNING" button, located in the "View All Reports" section.*

## 8.5 Other Non Functional Requirements:-

*Non functional requirements (NFRs), also known as quality attributes or software qualities, are essential in software engineering. They define the overall behavior, performance, and user experience of a software system. In addition to the commonly mentioned NFRs like performance,*

*security, and scalability, there are several other nonfunctional requirements that are crucial in software engineering:*

- **Usability:**

*Usability encompasses factors such as user interface design, user experience (UX), and user-friendliness. It measures how easy it is for users to interact with and navigate the software.*

- **Reliability:**

*Reliability refers to the software's ability to consistently perform its intended functions without failures or errors. It includes aspects like fault tolerance, error recovery, and system stability.*

- **Availability:**

*Availability defines the percentage of time a system is operational and accessible to users. High availability is critical for mission-critical systems that must be accessible 24/7.*

- **Maintainability:**

*Maintainability assesses how easily and cost-effectively the software can be updated, modified, or repaired. It includes factors like code readability, modularity, and documentation.*

- **Portability:**

*Portability evaluates how easily the software can be adapted to different environments, platforms, and operating systems. It's essential when software needs to run on various devices or migrate between systems.*

- **Scalability:**

*Scalability refers to the software's ability to handle increased workloads and user demands. It involves horizontal scalability (adding more servers) and vertical scalability (upgrading existing hardware or software components).*

- **Performance Efficiency:**

*While performance is a common NFR, it can be broken down further into aspects like response time, throughput, and resource utilization. Performance efficiency ensures that the software meets specific performance benchmarks.*

- **Data Integrity and Privacy:**

*For applications that handle sensitive data, data integrity and privacy are critical. Ensuring that data is secure, encrypted, and protected from unauthorized access is essential.*

- **Safety:**

*In safety-critical systems, such as medical devices or autonomous vehicles, safety requirements are paramount. These requirements focus on preventing accidents and minimizing risks.*

- **Business Rules**

*It Includes the rules for blood donation, which encompass:*

- Age between 18-60 years
- Hemoglobin not less than 12.5gm/Dl
- Pulse Between 50 and 100/min with no irregularities.
- Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.
- Temperature-normal
- Body weight not less than 45k.g
- Any healthy adult both male and female can donate blood in every 3 months.
- Donors should not have any conical disease.

## 8.6 Other Requirements:-

- Calls to donors and blood recipients cannot be made between 12 A.M. and 5 A.M.
- There is no real-time chat system present in our project.
- There is no payment gateway for receiving funds from users.

## 9. Cost And Benefit Analysis

Cost & Benefit analysis is an important part of this documentation, mainly this part is coming than the Constructive cost estimation model (COCOMO). COCOMO was introduced by Barry. W. Boehm and documentaries in this year of 1981. It is a heuristic method and is a hierarchy of three increasingly details from basic, intermediate, advance COCOMO. In 1997 another version COCOMO2 was introduce. The first version divides the whole project into three categories as Organic, Semidetached and Embedded.

- **In Organic time the projects have some features like:**

- Team size is small.
- Simple software and relatively strict project.
- The team has good application experience rigid.
- Deliverable lines of code are within 50,000 loc.

- **In Semidetached COCOMO the rules are as follows:**

- Team size is moderate.
- The team has mixed experienced level.
- Project requirement is rigid to less than rigid.
- Outside interacting is required.

- **In Embedded COCOMO:**

- Team size is huge.
- Team has high experience level.
- Real time processing application.

Depending on these models we calculate efforts. Development time and person needed.

$$\text{Effort} = a * (\text{kloc})^b$$

$$T_{\text{dev}} = c * (\text{Effort})^d$$

$$\text{Person} = \text{Effort} / T_{\text{dev}}$$

The values of a, b, c, d are as follows:<sup>[8]</sup>

a	b	c	d
2.4	1.05	2.5	0.38

[Assume that the loc=25000, kloc=25]

So,

$$\text{Effort} = 2.4 * (25) * 1.05 = 2.4 * 29.3654736 = 70.4771366 \text{ pm}$$

$$T_{\text{dev}} = 2.5 * (70.4771366) * 0.38 = 2.5 * 5.038002 = 12.595005 \text{ m}$$

$$\text{Person} = 70.4771366 / 12.595005 = 5.59564181 \text{ [approx 6]}$$

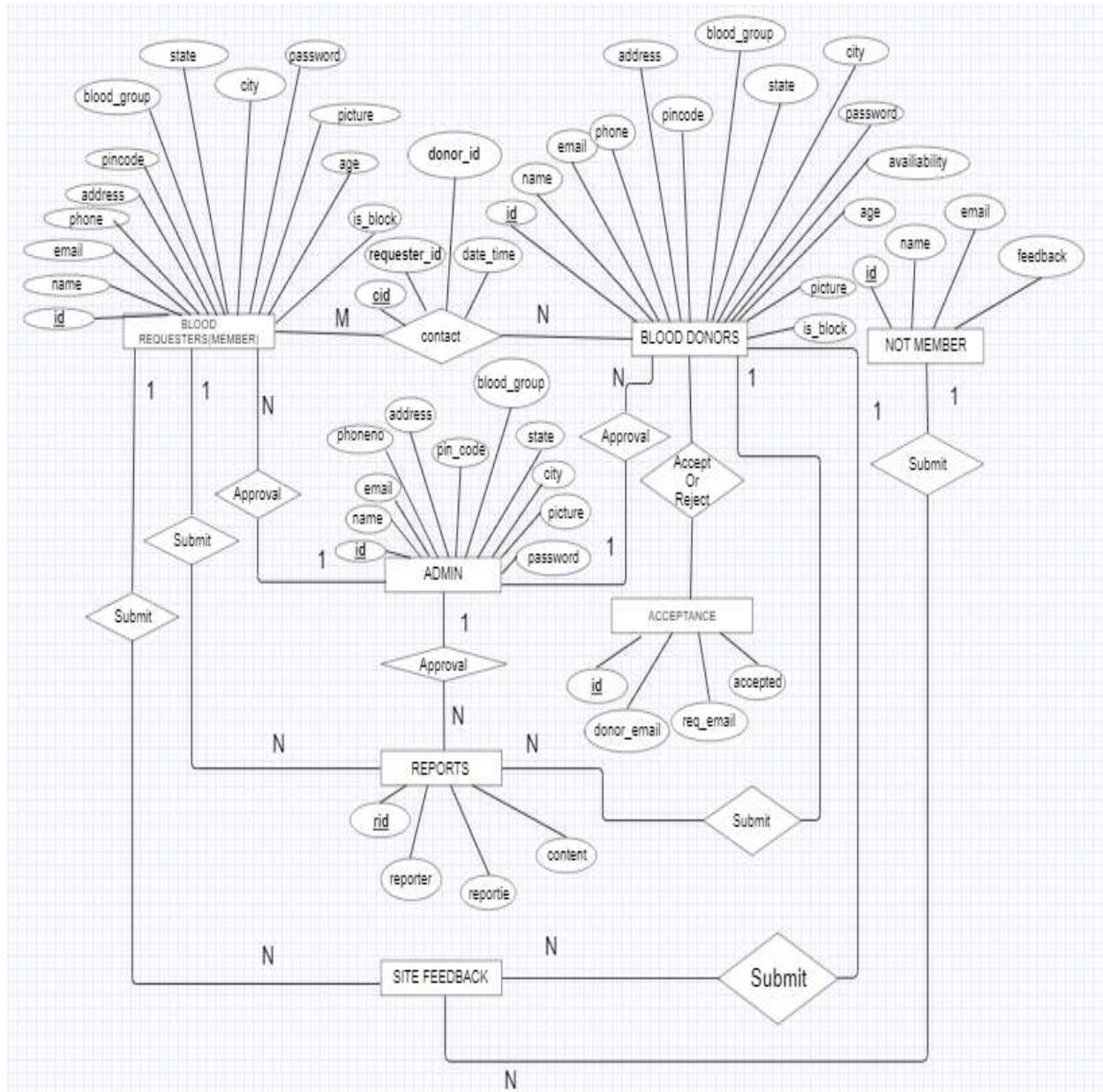
[Assume that the cost is 600Rs/kloc]

So, the Cost is: Cost = 25 \* 600 Rs = 15000 Rs/ person

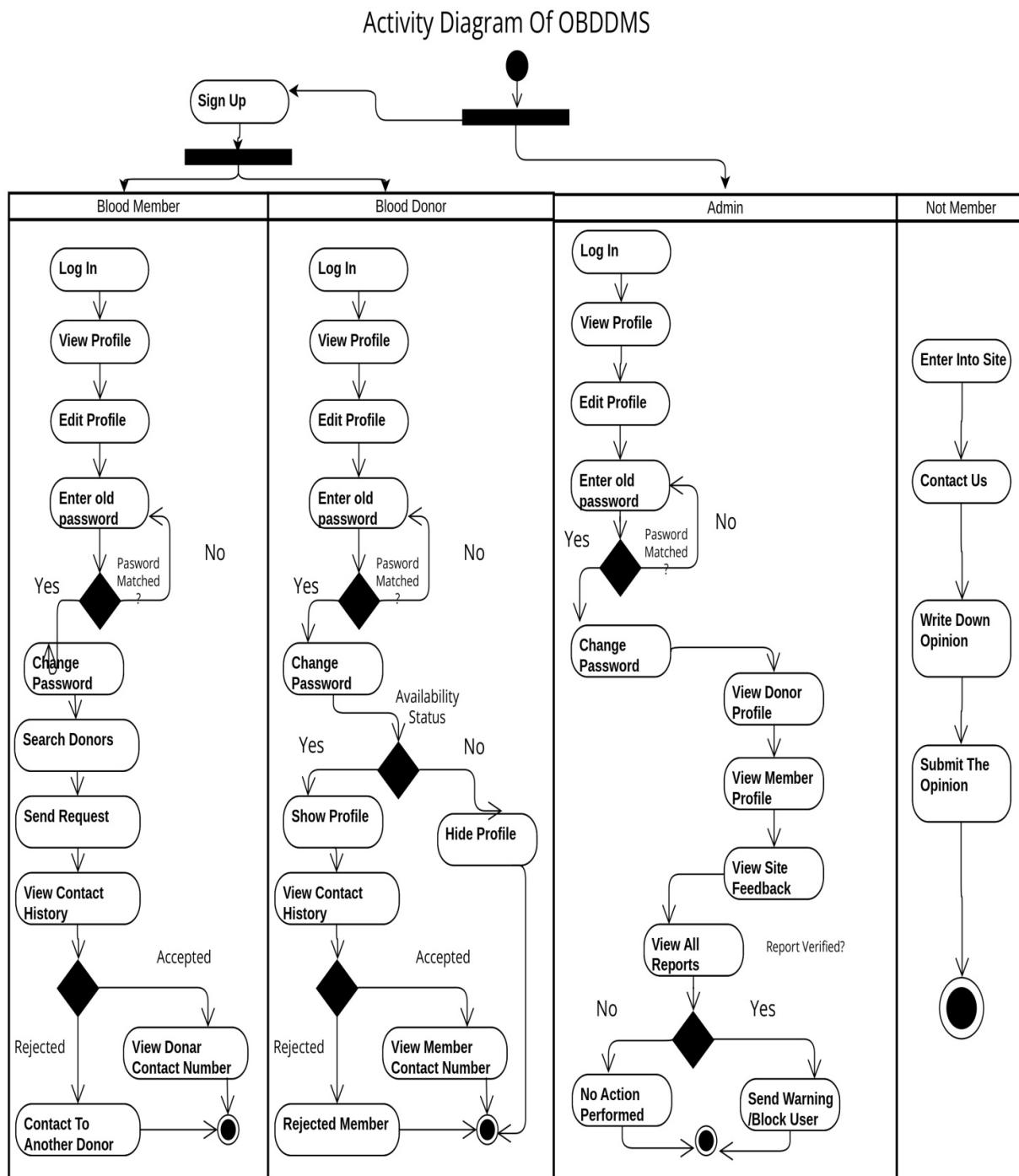
Total Cost = 4 \* 15000 Rs = 60000 Rs.

# 10. Software Design Specification (SDS)

## 10.1 Entity Relationship Diagram (ERD):-

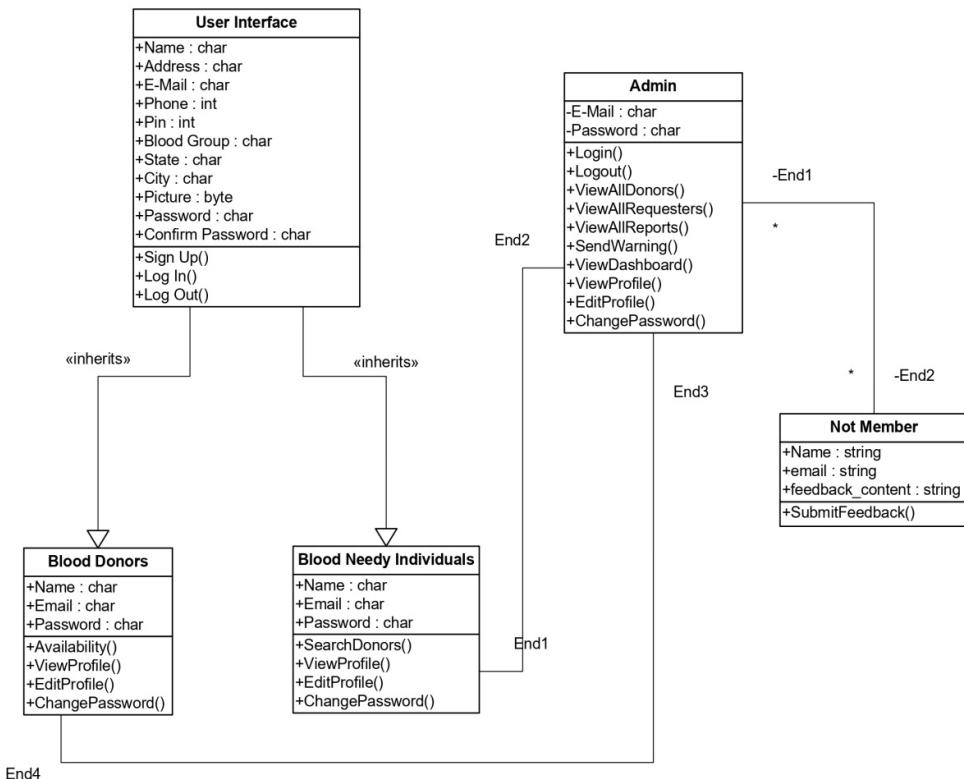


## 10.2 Activity Diagram:-

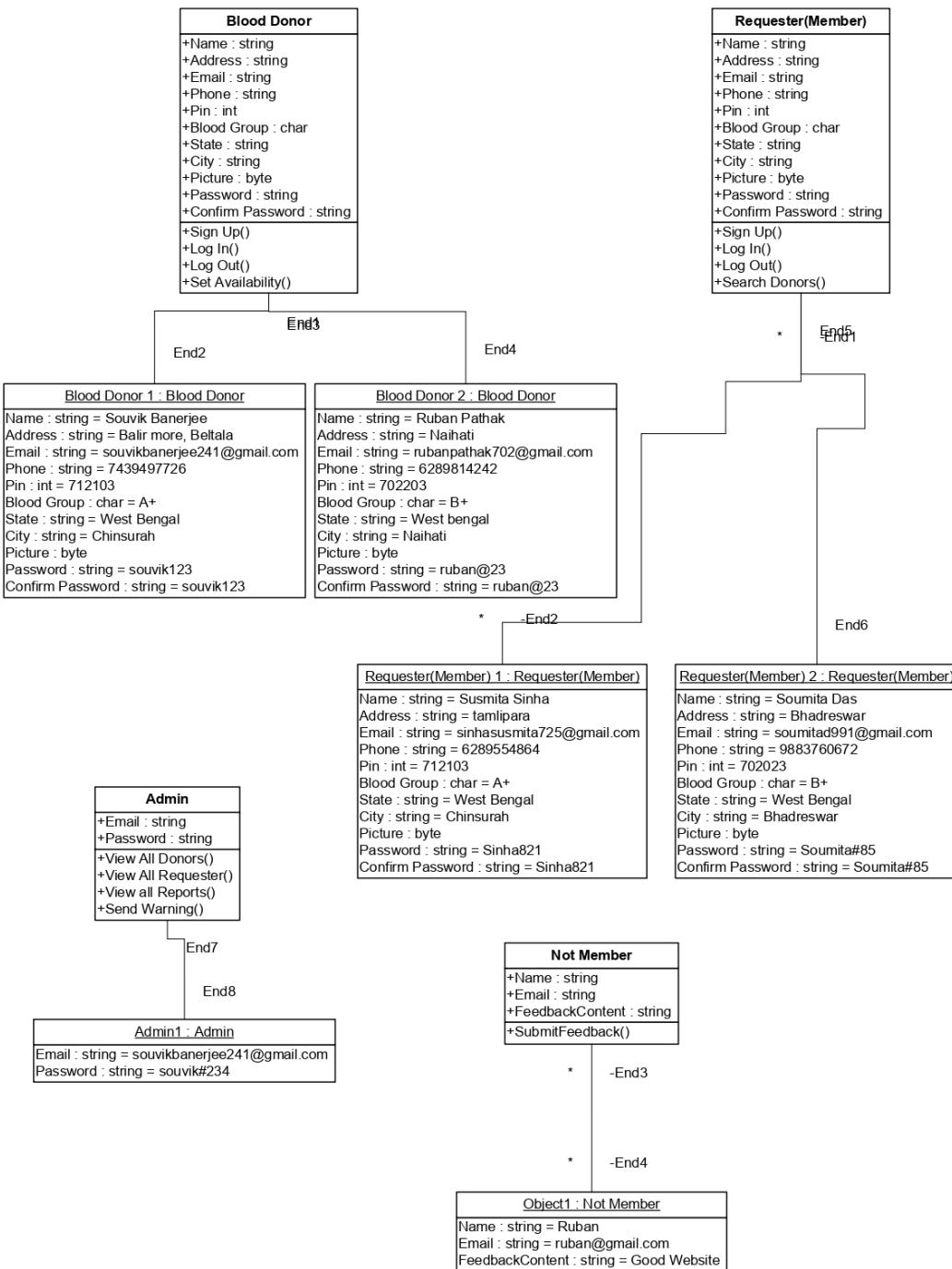


## 10.3 Class Diagram:-

### ONLINE BLOOD DONOR DATABASE MANAGEMENT SYSTEM CLASS DIAGRAM

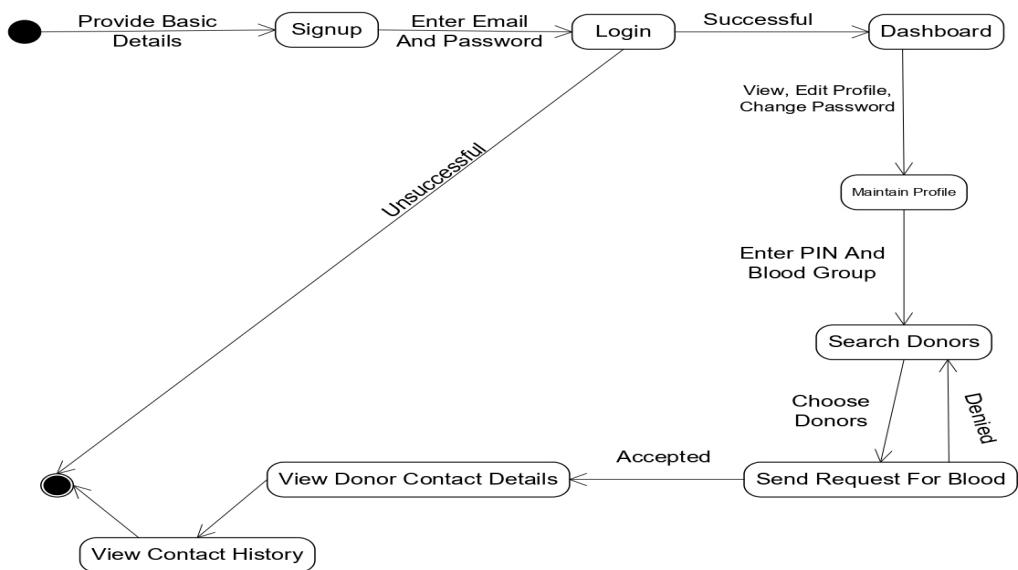


## 10.4 Object Diagram:-

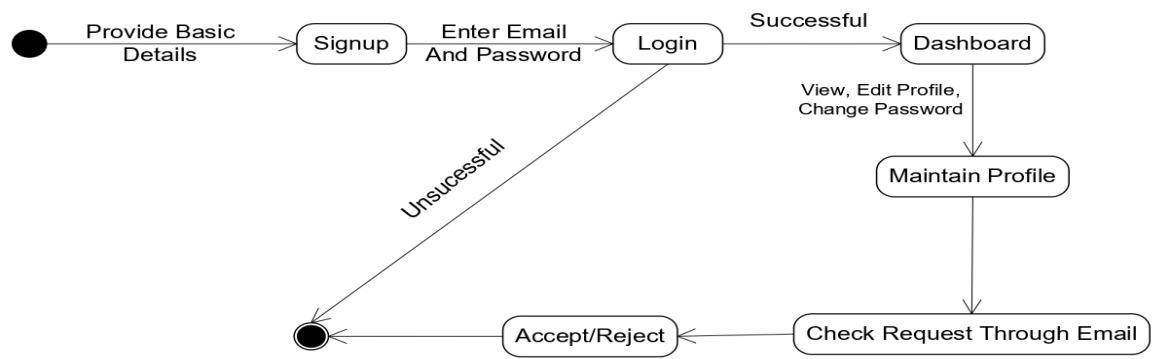


## 10.5 State Chart Diagram:-

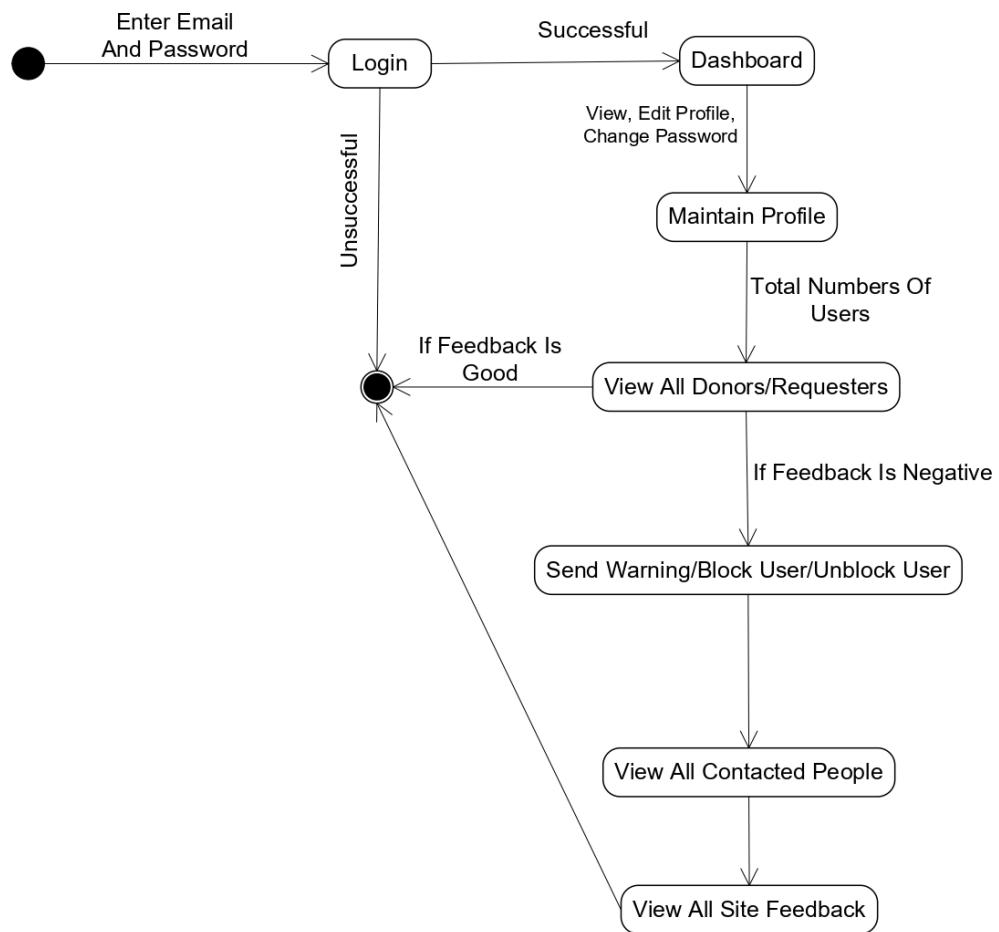
# State Chart Diagram For Blood Requesters



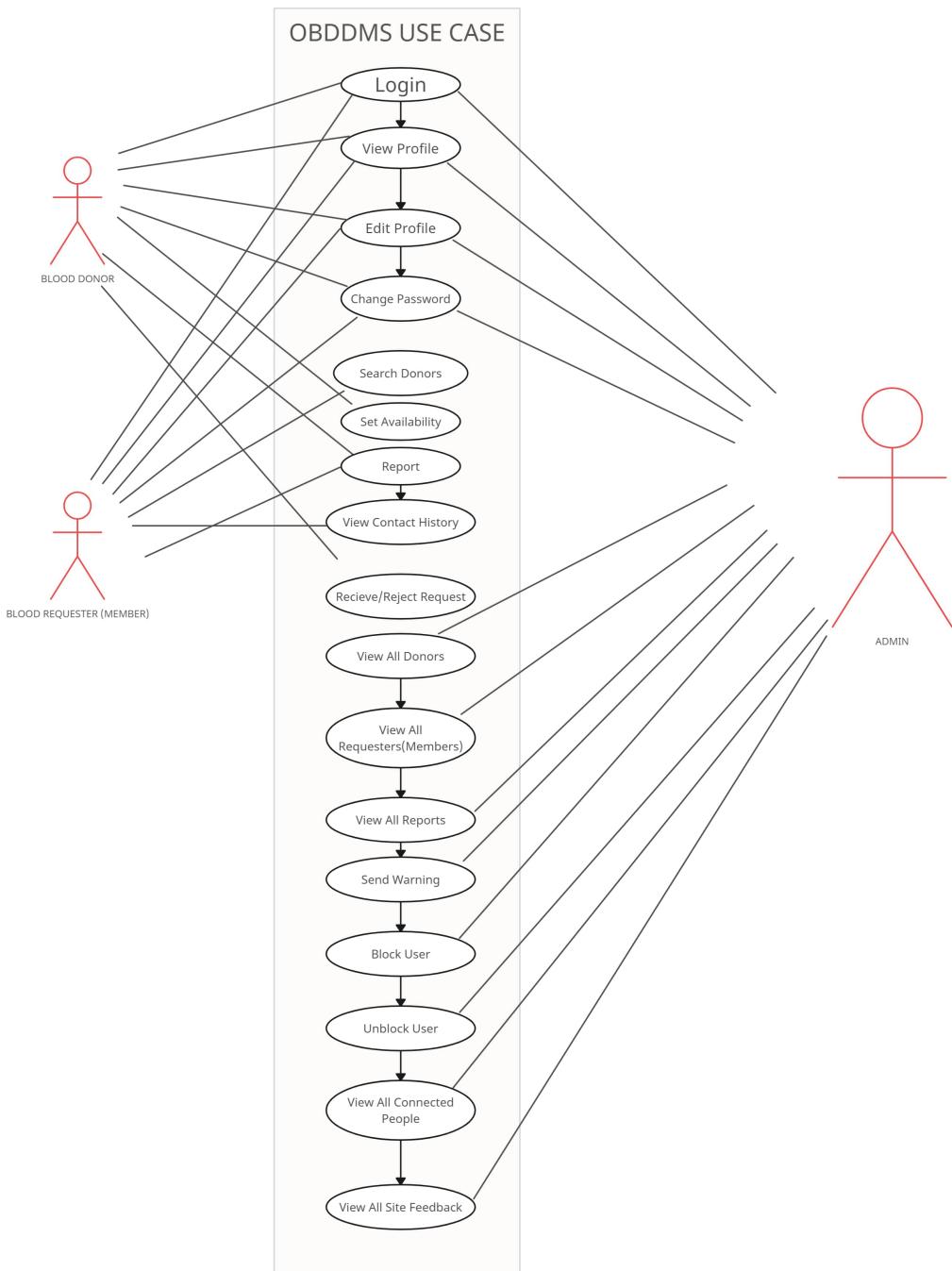
# State Chart Diagram For Blood Donors

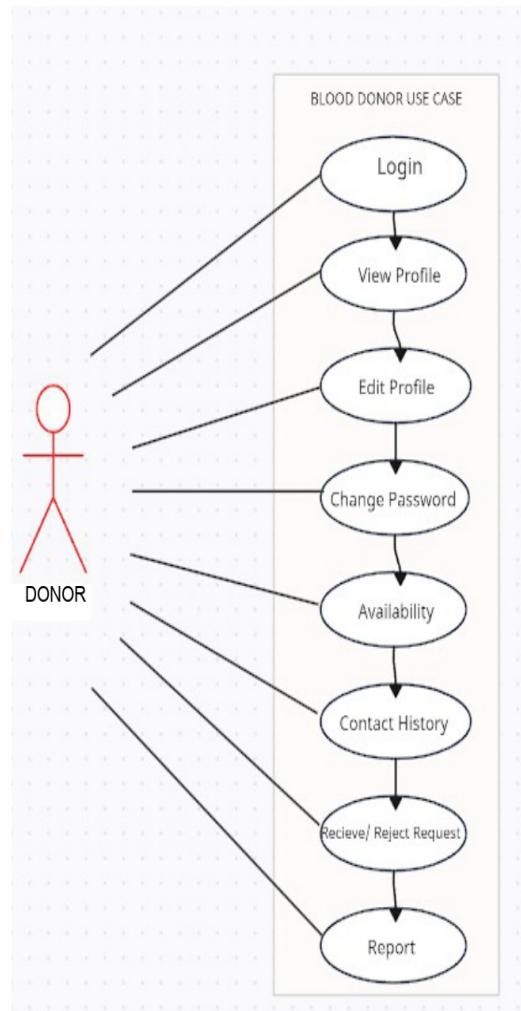


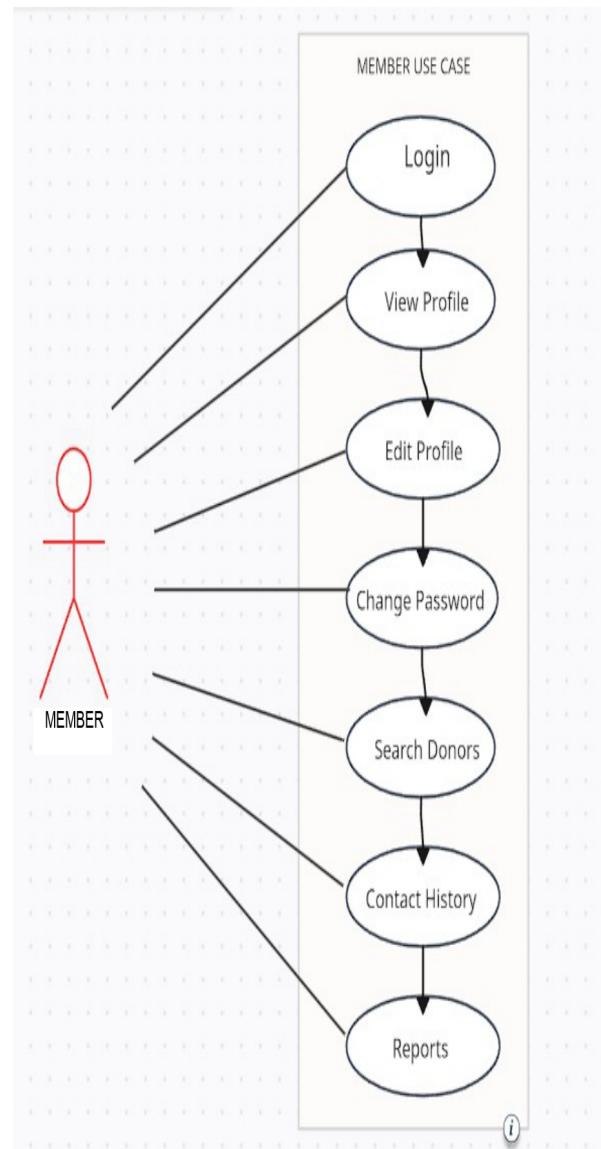
# State Chart Diagram For Admin



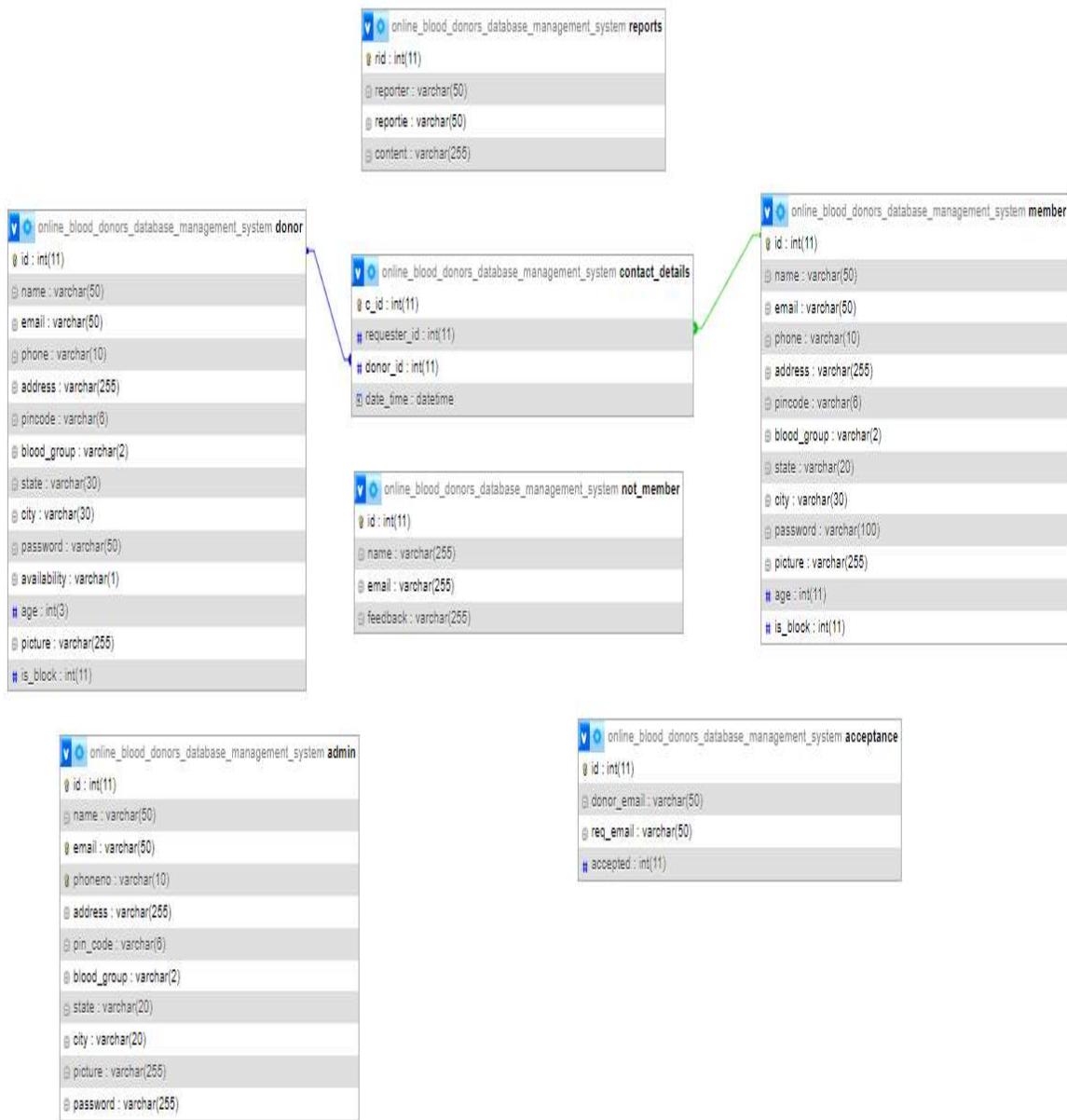
## 10.6 Use Case Diagram:-







## 10.7 Schema:-



# **11. Methodology used for testing and some testing results**

A test plan is a general document for the entire project, which defines the scope, approach to be taken, and schedule of testing, as well as identifying the test item for the entire testing process, and the personal responsible for the different activities of testing. This document describes the plan for testing, the knowledge management tool.

- Major testing activities are:**

- Test units
- Features to be tested
- Approach for testing
- Test deliverable
- Schedule
- Personal allocation

- Test cases & test result:**

A test case is a document that describe an input, action, or event and expected response, to determine if a feature of an website is working correctly. A test case should contain particular such as test case identifier, test condition, input data Requirement expected results. The process of developing test cases can help find problems in the requirement or design of an website, since it requires completely thinking through the operation of the website.

Testing Steps are:-

- Unit Testing (Black Box):** Unit testing focuses efforts on the smallest unit of software design. This is known as module testing. The modules are tested separately. The test is carried out during programming stag itself. In this step, each module is found to be working satisfactory as regards to the expected output from the module.

- **Integration Testing:** Data can be lost across an interface. One module can have an adverse effect on another, sub functions, when combined, may not be linked in desired manner in major functions. Integration testing is a systematic approach for constructing the program structure, while at the same time conducting test to uncover errors associated within the interface. The objective is to take unit tested modules and builds program structure. All the modules are combined and tested as a whole.<sup>[9]</sup>

## 11.1 Test Case NO:- 1:-

### Test Case Name:- Sign up

<b>Test Case SLno</b>	<b>Test Data</b>	<b>Expected</b>	<b>Actual</b>	<b>Status (pass/ fail)</b>
1	<correct name> <correct email> <correct phone> <correct address> <correct pin code> <correct blood group> <correct state> <correct city> <correct password> <correct confirm password> <correct age>	Successful sign up	Successful sign up	pass
2	<correct name> <correct email> <correct phone> <correct address> <correct pin code> <correct blood group> <correct state> <correct city> <correct password> <b>&lt;incorrect confirm password&gt;</b> <correct age>	Unsuccessful sign up	Unsuccessful sign up	pass
3	<correct name> <b>&lt;incorrect email&gt;</b> <correct phone> <correct address> <correct pin code> <correct blood group> <correct state> <correct city> <correct password> <correct confirm password> <correct age>	Unsuccessful sign up	Unsuccessful sign up	pass

<b>Test Case NO</b>	<b>Test Data</b>	<b>Expected</b>	<b>Actual</b>	<b>Status (pass / fail)</b>
4	<correct name> <correct email> <correct phone> <correct address> <correct pin code> <correct blood group> <correct state> <correct city> <correct password> <correct confirm password> <incorrect age>	Unsuccessful sign up	Unsuccessful sign up	pass

### • Test Case 1 SLNO 1:-

The screenshot shows a web browser displaying a 'Signup' form. The form has the following fields:

- Name: Ruben Patrak
- Email address: rubenpatrak706@gmail.com
- Phone Number: 06289814242
- Address: 26, Dakhin Bahinab Para Road, Naihati
- Pin Code: 743166
- Blood Group: B+
- State: West Bengal
- City: Naihati
- Password: \*\*\*\*
- Confirm Password: \*\*\*\*
- Age: 21

The 'Submit' button is located at the bottom right of the form. The browser's address bar shows the URL as localhost/Online-Blood-Donor-Database-Management-System/BLOOD%20DONOR%20SIGNUP%20FORM/Donor\_SignUPForm.php.

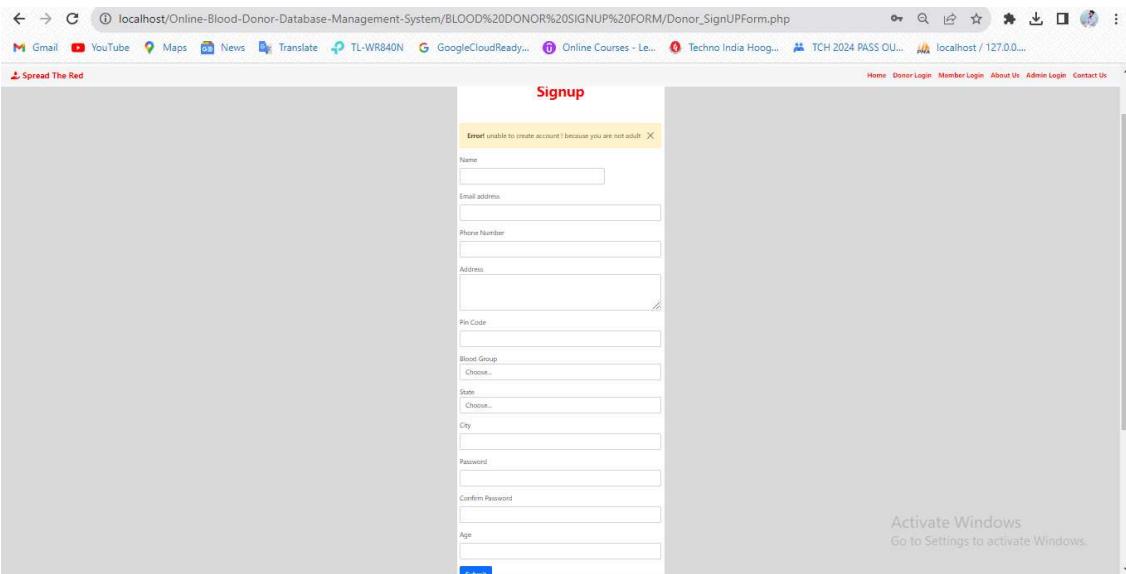
- **Test Case 1 SLNO 2:-**

The screenshot shows a web browser displaying a "Signup" form. At the top, there is a yellow error message box that says "Error! email already exists". Below the message are input fields for Name, Email address, Phone Number, Address, Pin Code, Blood Group, State, City, Password, Confirm Password, and Age. A blue "Submit" button is located at the bottom of the form. The background of the page has a watermark-like text "Activate Windows Go to Settings to activate Windows."

- **Test Case 1 SLNO 3:-**

The screenshot shows a web browser displaying a "Signup" form. At the top, there is a yellow error message box that says "Error! password did not matched". Below the message are input fields for Name, Email address, Phone Number, Address, Pin Code, Blood Group, State, City, Password, Confirm Password, and Age. A blue "Submit" button is located at the bottom of the form. The background of the page has a watermark-like text "Activate Windows Go to Settings to activate Windows."

- **Test Case 1 SLNO 4:-**



## 11.2 Test Case NO:- 2:-

### Test Case Name:- Log In

Test Case NO	Test Data	Expected	Actual	Status (pass / fail)
1	<correct email> <correct password>	Successful log in	Successful log in	pass
2	<incorrect email> <correct password>	Unsuccessful log in	Unsuccessful log in	pass
3	<correct email> <incorrect password>	Unsuccessful log in	Unsuccessful log in	pass
4	<incorrect email> <incorrect password>	Unsuccessful log in	Unsuccessful log in	pass

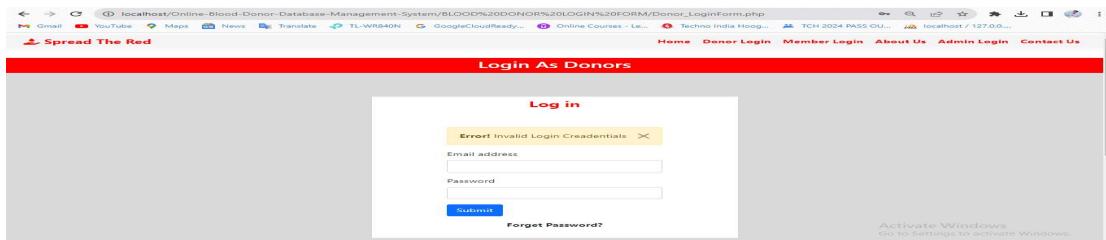
- **Test Case 2 SLNO 1:-**

The screenshot shows a web browser window with the URL `localhost/Online-Blood-Donor-Database-Management-System/BLOOD%20DONOR%20LOGIN%20FORM/Donor_LoginForm.php`. The page title is "Login As Donors". A central modal window titled "Log in" contains fields for "Email address" (with value "rubanpathak706@gmail.co") and "Password" (with value "...."). Below the password field is a "Submit" button. To the right of the password field is a link "Forgot Password?". At the bottom of the modal is a link "New User? Sign Up". The background of the page has a red header bar with the text "Spread The Red" and a navigation menu with links: Home, Donor Login, Member Login, About Us, Admin Login, and Contact Us. A watermark for "Activate Windows" is visible in the bottom right corner.

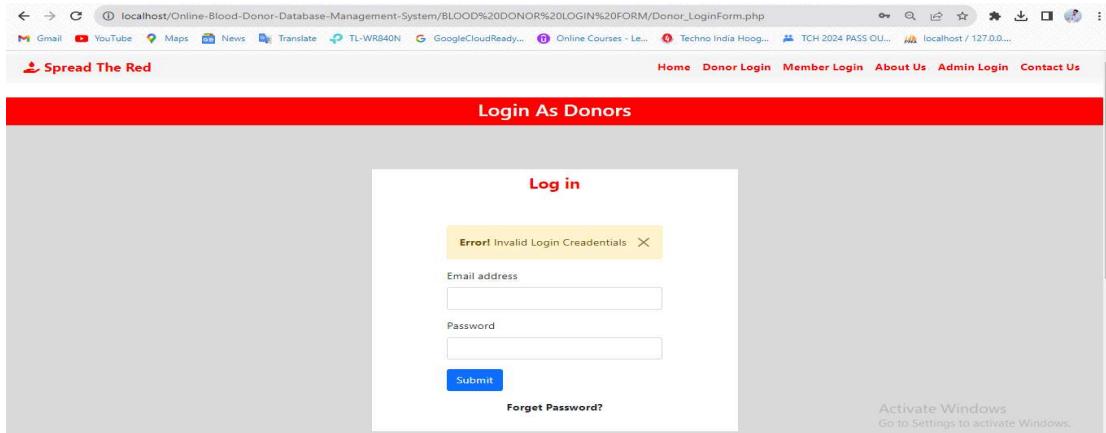
- **Test Case 2 SLNO 2:-**

The screenshot shows a web browser window with the same URL and title as the previous screenshot. The modal window now displays an error message "Error! Invalid Login Credentials" in a yellow box. The "Email address" and "Password" fields are empty. The "Submit" button is present. The background elements, including the red header bar and the "Activate Windows" watermark, remain the same.

- **Test Case 2 SLNO 3:-**



- **Test Case 2 SLNO 4:-**



### 11.3 Test Case NO:- 3:-

**Test Case Name:- Forget Password OTP Generate**

Test Case NO	Test Data	Expected	Actual	Status (pass / fail)
1	<correct email> <correct password> <correct confirm password>	Successful OTP mail sent	Successful OTP mail sent	pass
2	<incorrect email> <correct password> <correct confirm password>	Unsuccessful OTP mail did not sent	Unsuccessful OTP mail did not sent	pass
3	<correct email> <incorrect password> <incorrect confirm password>	Unsuccessful OTP mail did not sent	Unsuccessful OTP mail did not sent	pass

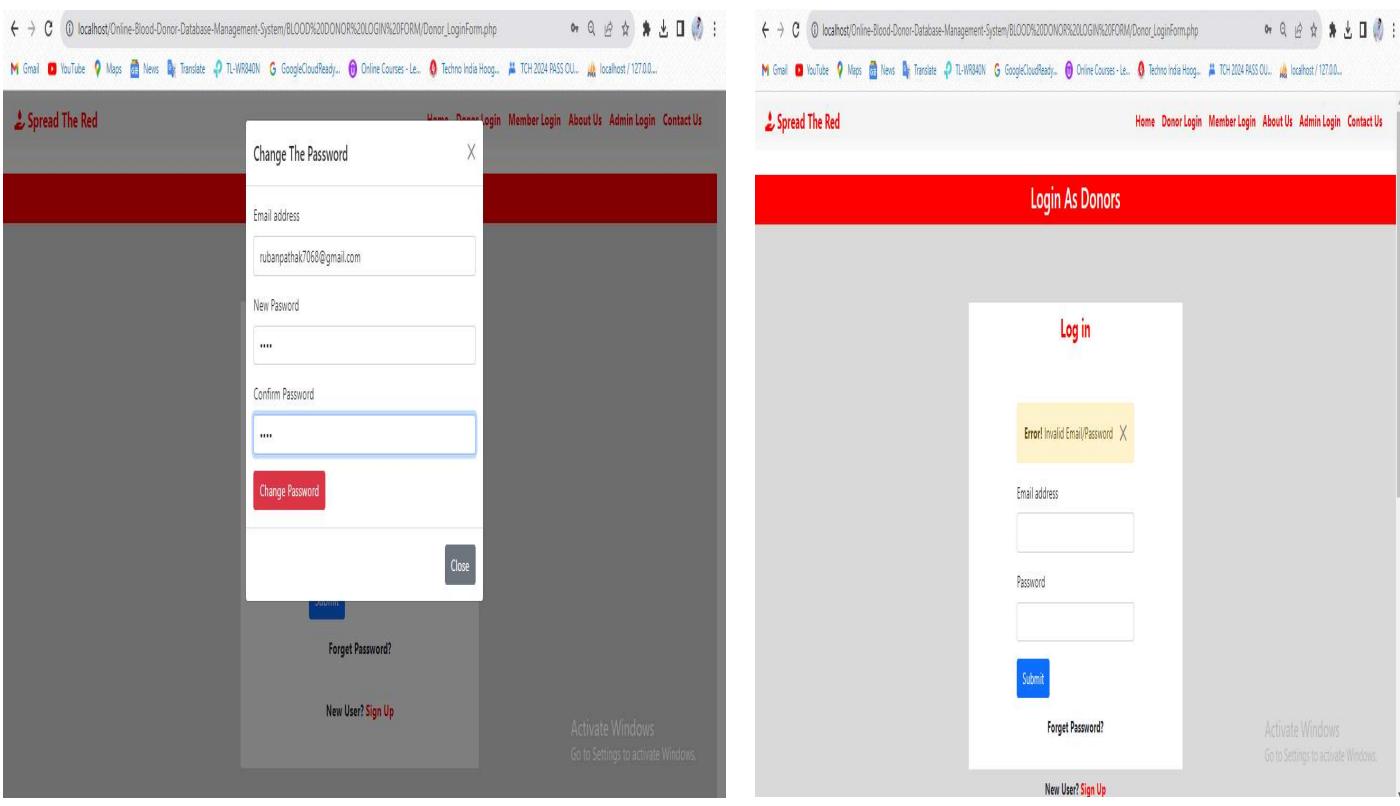
## ● Test Case 3 SLNO 1:-

The screenshot shows two windows side-by-side. On the left is a modal titled 'Change The Password' from the 'Spread The Red' website. It contains fields for 'Email address' (rubanpathak706@gmail.com), 'New Password', and 'Confirm Password'. A 'Change Password' button is at the bottom. On the right is a Gmail inbox showing an email from 'obd0002020@gmail.com' with the subject 'Your One Time Password (OTP) for changing password: 559462'. The email body contains instructions about OTP validity and a link to regenerate it.

## ● Test Case 3 SLNO 2:-

The screenshot shows two windows side-by-side. On the left is the same 'Change The Password' modal as in the previous screenshot, but the 'Confirm Password' field is empty. On the right is a login page titled 'Login As Donors' from the 'Spread The Red' website. It has fields for 'Email address' and 'Password', a 'Submit' button, and a 'Forgot Password?' link. A yellow error message box displays 'Error! Invalid Email/Password'.

## ● Test Case 3 SLNO 3:-

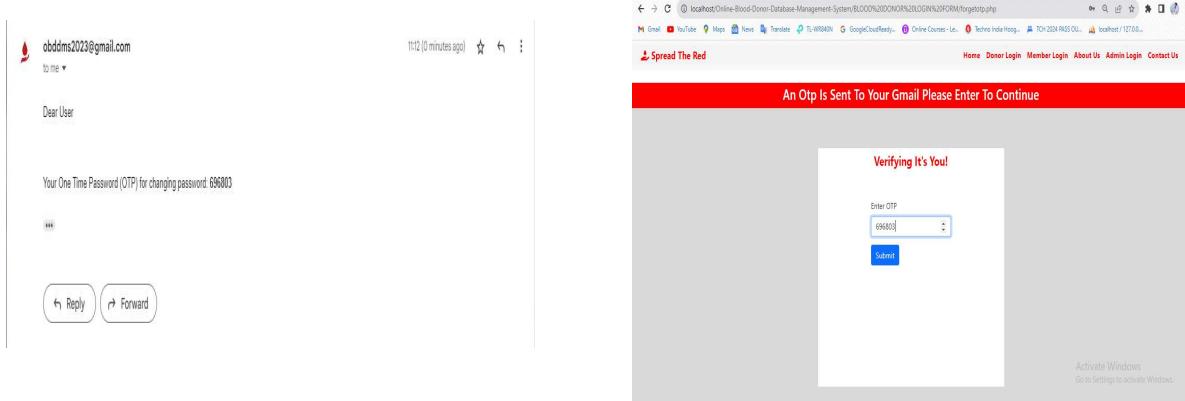


## 11.4 Test Case NO:- 4:-

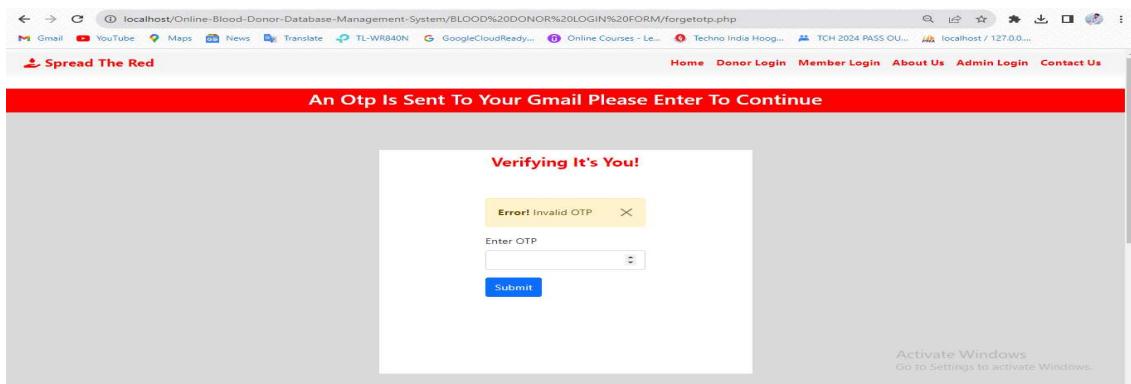
### Test Case Name:- Forget Password OTP Matched

Test Case NO	Test Data	Expected	Actual	Status (pass / fail)
1	<correct OTP>	Successfully Password Changed	Successfully Password Changed	pass
2	<incorrect OTP>	Password did not changed	Password did not changed	pass

- Test Case 4 SLNO 1:-



- **Test Case 4 SLNO 2:-**



### **11.5 Test Case NO:- 5:-**

**Test Case Name:- Hide donor profile from all requesters (Availability Status)**

<b>Test Case NO</b>	<b>Test Data</b>	<b>Expected</b>	<b>Actual</b>	<b>Status (pass / fail)</b>
1	<show profile>	Profile will be visible to all blood requesters	Profile will be visible to all blood requesters	pass
2	<hide profile>	Profile will be hidden to all blood requesters	Profile will be hidden to all blood requesters	pass

## ● Test Case 5 SLNO 1:-

**DONOR**

**Instructions**

- Age between 18-60 years
- Hemoglobin not less than 12.5gm/Dl
- Pulse Between 50 and 100/min with no irregularities.
- Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.

**Note:** If you click on the Hide Profile button your profile will be hidden from all Members

Your Profile Is Not Visible To All Blood Requesters

Activate Windows  
Go to Settings to activate Windows

**Hide Profile** **Show Profile**

**Spread The Red**

**DONOR**

**Instructions**

- Age between 18-60 years
- Hemoglobin not less than 12.5gm/Dl
- Pulse Between 50 and 100/min with no irregularities.
- Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.
- Temperature-normal
- Body weight not less than 45kg
- Any healthy adult both male and female can donate blood in every 3 months.
- Donors should not have any conical disease.

**Note:** If you click on the Hide Profile button your profile will be hidden from all Members

Your Profile Is Not Visible To All Blood Requesters

Activate Windows  
Go to Settings to activate Windows

**Hide Profile** **Show Profile**

## ● Test Case 5 SLNO 2:-

**DONOR**

**Instructions**

- Age between 18-60 years
- Hemoglobin not less than 12.5gm/Dl
- Pulse Between 50 and 100/min with no irregularities.
- Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.

**Note:** If you click on the Hide Profile button your profile will be hidden from all Members

Your Profile Is Not Visible To All Blood Requesters

Activate Windows  
Go to Settings to activate Windows

**Hide Profile** **Show Profile**

**Spread The Red**

**DONOR**

**Instructions**

- Age between 18-60 years
- Hemoglobin not less than 12.5gm/Dl
- Pulse Between 50 and 100/min with no irregularities.
- Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.
- Temperature-normal
- Body weight not less than 45kg
- Any healthy adult both male and female can donate blood in every 3 months.
- Donors should not have any conical disease.

**Note:** If you click on the Hide Profile button your profile will be hidden from all Members

Your Profile Is Not Visible To All Blood Requesters

Activate Windows  
Go to Settings to activate Windows

**Hide Profile** **Show Profile**

## 11.6 Test Case NO:- 6:-

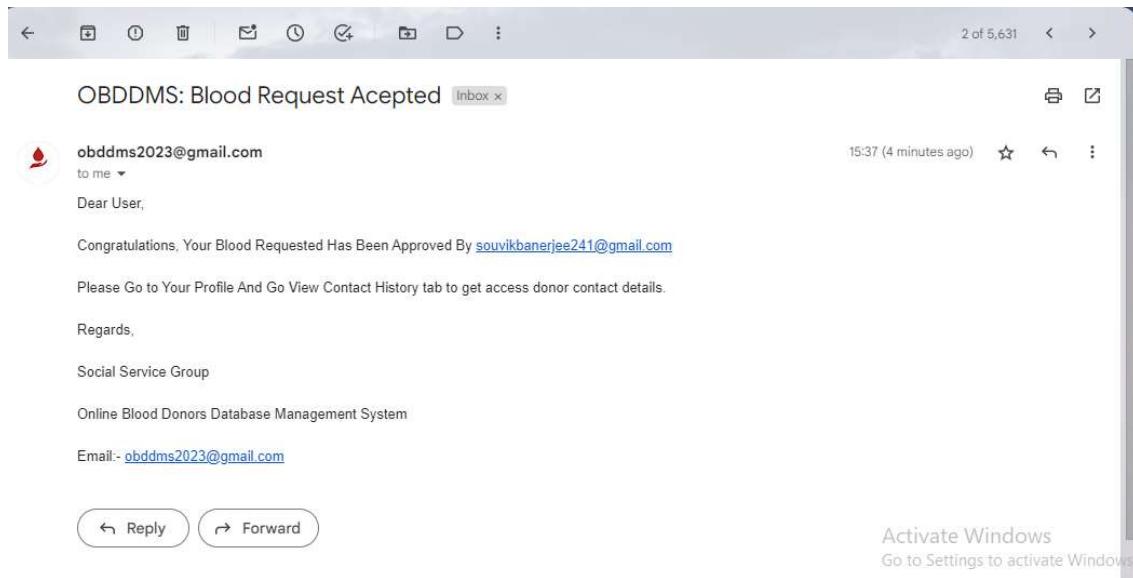
**Test Case Name:- Accept Request/Reject Request/Pending Request.**

<b>Test Case NO</b>	<b>Test Data</b>	<b>Expected</b>	<b>Actual</b>	<b>Status (pass/ fail)</b>
1	<accept request>	Requester Phone Number Will Be shown and an email will be sent.	Requester Phone Number Will Be shown and an email will be sent.	pass
2	<reject request>	Requester Phone Number Will Be hided and an email will be sent.	Requester Phone Number Will Be hided and an email will be sent.	pass
3	<pending request>	Requester Phone Number Will Be hided.	Requester Phone Number Will Be hided.	pass

### ● Test Case 6 SLNO 1:-

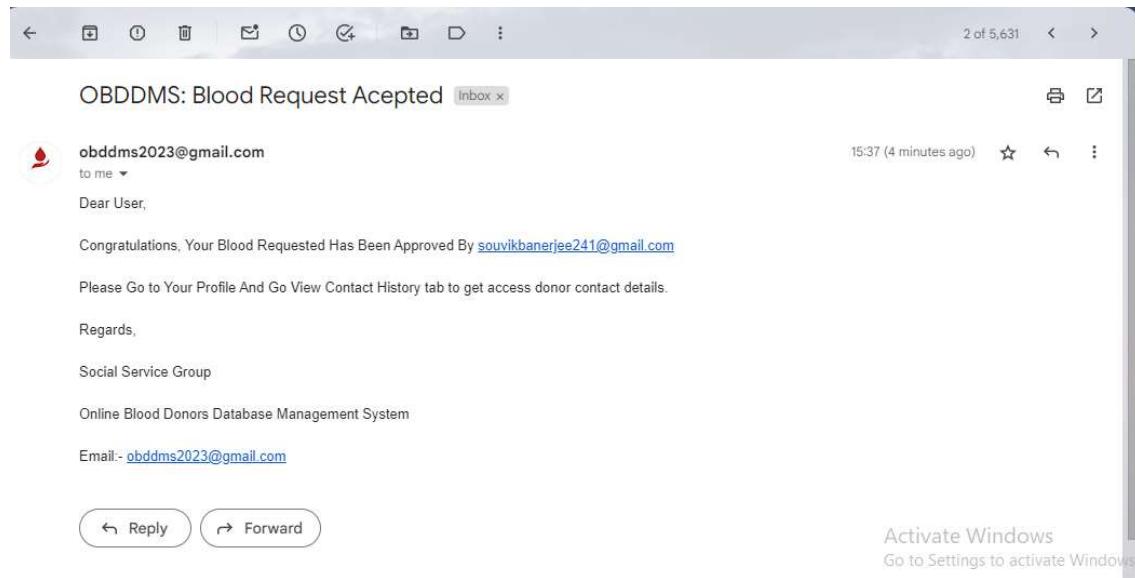
The screenshots illustrate the 'Contact History' section of the donor application. The left screenshot shows a modal dialog asking if the user wants to accept a request from Ruban Pathak. The right screenshot shows the main contact history table with one entry for Ruban Pathak, whose status is now 'Accepted'.

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejection	Report
1		Ruban Pathak	rubanpathak706@gmail.com	6289814242	A+	2023-11-10 15:26:20	Accepted	<span style="background-color: blue; color: white; padding: 2px 5px;">Accept Request</span>	<span style="background-color: yellow; color: red; padding: 2px 5px;">Reject Request</span>	<span style="color: red; padding: 2px 5px;">Report</span>



## ● Test Case 6 SLNO 2:-

SL NO	Profile Picture	Requester's Name	Requester's Email	Status	Requested Blood	Timing	Status	Acceptance	Rejection	Report User
1		Ruban Pathak	rubanpathak706@gmail.com	Accepted	A+	2023-11-10 15:36:20	Rejected	<span style="background-color: blue; color: white; border: 1px solid black; padding: 2px 10px; border-radius: 5px;">Accept Request</span>	<span style="background-color: yellow; color: black; border: 1px solid black; padding: 2px 10px; border-radius: 5px;">Reject Request</span>	<span style="background-color: red; color: white; border: 1px solid black; padding: 2px 10px; border-radius: 5px;">Report</span>



## ● Test Case 6 SLNO 3:-

localhost/Minor%20Project%202023/Online-Blood-Donor-Database-Management-System/Blood\_Donor/Contact\_History.php

Gmail YouTube Maps News Translate TL-WR840N GoogleCloudReady... Online Courses - Le... Techno India Hoog... TCH 2024 PASS OU... localhost / 127.0.0...

Spread The Red

DONOR

Dashboard

Availability Status

Profile

Edit Profile

Change Password

Contact History

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejection	Report
1		Ruban Pathak	rubanpathak706@gmail.com		A+	2023-11-10 15:26:20	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 1 of 1 entries

Previous 1 Next

Activate Windows  
Go to Settings to activate Windows.

## 11.7 Test Case NO:- 7:-

### Test Case Name:- Search Facility

Test Case NO	Test Data	Expected	Actual	Status (pass/ fail)
1	<correct blood group> <correct pin code>	Donors profiles will be available.	Donors profiles will be available.	pass
2	<incorrect blood group> <incorrect pin code>	Donors profiles will not be available.	Donors profiles will not be available.	pass

- **Test Case 7 SLNO 1:-**

The screenshot shows a web browser displaying a search results page for donors. The URL is `localhost/Major%20Project%202023/Online-Blood-Donor-Database-Management-System/Blood_Consumer/search_donors.php`. The search parameters are set to "Blood Group: A+" and "Pin Code: 712103". The search results table has columns for SL Number, Profile Picture, Donors Name, Donors Blood Group, Donors Email Id, Donors Address, Donors City, Donors Age, Donors Pin, Send Blood Request, and Report Donor. One entry is listed: Souvik Banerjee (A+, souvikbanerjee241@gmail.com, 294/5, sarat sarani baliir more, Hooghly, Chinsurah, 18, 712103). There are buttons for "Send Blood Request" and "Report Donor". The sidebar on the left is titled "MEMBERS(RED)" and includes links for Dashboard, Search Donors, Profile, Edit Profile, Change Password, View Contact History, and About.

- **Test Case 7 SLNO 2:-**

The screenshot shows a web browser displaying a search results page for donors. The URL is `localhost/Major%20Project%202023/Online-Blood-Donor-Database-Management-System/Blood_Consumer/search_donors.php`. The search parameters are set to "Blood Group: Choose..." and "Pin Code: ". The search results table has columns for SL Number, Profile Picture, Donors Name, Donors Blood Group, Donors Email Id, Donors Address, Donors City, Donors Age, Donors Pin, Send Blood Request, and Report Donor. The message "No data available in table" is displayed. The sidebar on the left is titled "MEMBERS(RED)" and includes links for Dashboard, Search Donors, Profile, Edit Profile, Change Password, View Contact History, and About.

## 11.8 Test Case NO:- 8:-

## Test Case Name:- Send Blood Request And Report Button

Test Case NO	Test Data	Expected	Actual	Status (pass / fail)
1	<Send request button>	An email will sent to the donor.	An email will sent to the donor.	Pass
2	<Sent report without description>	Report cannot be sent	Report cannot be sent	Pass
3	<Sent report with description>	Report Sent	Report Sent	Pass

- Test Case 8 SLNO 1:-

The screenshot shows two main parts: the OBDDMS application interface and a Gmail inbox.

**OBDDMS Application:**

- The left sidebar has links for Dashboard, Search, Donors, Edit Profile, Change Password, View Contact History, and Logout.
- The main area shows a search results table for donors. One row is highlighted for "Souvik Banerjee" (SL No. 1), with columns for Picture, Name, Blood Group (A+), and Donor Number (712103).
- A modal window titled "Send Blood Request" is open over the table, containing a "Send Blood Request" button.
- At the bottom of the application interface, there's a note: "more... hopefully."

**Gmail Inbox:**

- The subject of the email is "OBDDMS: Reciving Blood Donation Request".
- The recipient is "obddms2023@gmail.com" (with a red icon).
- The email body starts with "Dear Souvik Banerjee," and continues: "We extend our heartfelt gratitude for your noble spirit. A blood request from Ruban Pathak is a call for hope, and you have the opportunity to be a lifeline. By donating your blood to this individual, you can become a part of a compassionate community."
- Below the body, it says: "Please note, your selfless act can make a world of difference and bring renewed hope to someone in need."
- The email ends with "With deepest regards," and "Social Service Group".
- The footer of the email includes "Online Blood Donors Database Management System" and "Email: obddms2023@gmail.com".
- At the bottom of the inbox, it says: "This revised email conveys the importance of the recipients blood donation and fosters a sense of community and hope."

- Test Case 8 SLNO 2:-

The screenshot shows a web browser window with the URL `localhost/Minor%20Project%202023/Online-Blood-Donor-Database-Management-System/Blood_Consumer/search_donors.php`. The page title is "Spread The Red". On the left, there's a red sidebar with links for Dashboard, Search Donors, Profile, Edit Profile, Change Password, View Contact History, and Logout. The main content area has two input fields: "Blood Group" (Choose...) and "Pin Code". A "Search Here" button is below them. The results table has columns: SL Number, Profile Picture, Donors Name, and Donors Blood Group. One entry is shown: SL 1, Profile Picture of Souvik Banerjee, Name: Souvik Banerjee, Blood Group: A+. Below the table, it says "Showing 1 to 1 of 1 entries". Overlaid on the table is a modal window titled "Do You Want To Report This User?". It contains a text area labeled "Describe Your Problem" with the text "Spam User" and a "Report User" button at the bottom. In the top right corner of the main content area, there's a message: "Activate Windows Go to Settings to activate Windows.".

## ● Test Case 8 SLNO 3:-

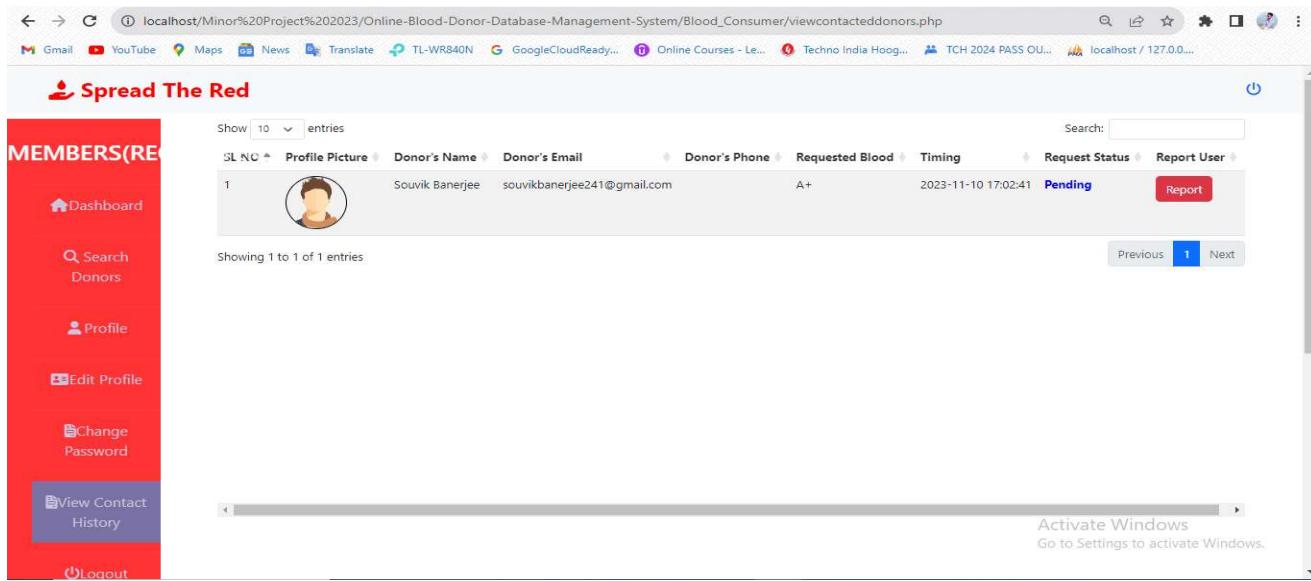
This section contains two side-by-side screenshots of the same web page. Both screenshots show the "Search Results" table with one entry for Souvik Banerjee (A+). The left screenshot shows the "Do You Want To Report This User?" modal with the "Describe Your Problem" field containing "Spam User" and the "Report User" button highlighted. The right screenshot shows the same table with a green success message box at the top: "Success! Report Sent Successfully We Will Surely Investigate !!!".

## 11.9 Test Case NO:- 9:-

## Test Case Name:- Pending/Rejected/Accepted Blood Request

<b>Test Case NO</b>	<b>Test Data</b>	<b>Expected</b>	<b>Actual</b>	<b>Status (pass / fail)</b>
1	<Pending>	Donor's Phone is hidden	Donor's Phone is hidden	Pass
2	<accepted>	Donor's Phone is shown	Donor's Phone is shown	Pass
3	<rejected>	Donor's Phone is hidden	Donor's Phone is hidden	Pass

- **Test Case 9 SLNO 1:-**



The screenshot shows a web application interface for managing blood donors. On the left, there is a sidebar with a red background titled 'MEMBERS(RED)' containing links for Dashboard, Search Donors, Profile, Edit Profile, Change Password, View Contact History, and Logout. The main content area has a white background with a header 'Spread The Red'. Below the header is a table with the following data:

SL NO	Profile Picture	Donor's Name	Donor's Email	Donor's Phone	Requested Blood	Timing	Request Status	Report User
1		Souvik Banerjee	souvikbanerjee241@gmail.com	A+	2023-11-10 17:02:41	Pending	<button>Report</button>	

Below the table, it says 'Showing 1 to 1 of 1 entries'. At the bottom right, there are navigation buttons for Previous, Next, and a page number '1'. A watermark at the bottom right says 'Activate Windows Go to Settings to activate Windows.'

- **Test Case 9 SLNO 2:-**

The screenshot shows a web application interface for managing blood donors. On the left, a red sidebar menu titled "MEMBERS(RED)" lists options: Dashboard, Search Donors, Profile, Edit Profile, Change Password, and View Contact History. The main content area displays a table with one row of data. The columns are: SL, NC, Profile Picture, Donor's Name, Donor's Email, Donor's Phone, Requested Blood, Timing, Request Status, and Report User. The data row shows: SL=1, NC=1, Profile Picture (image placeholder), Donor's Name=Souvik Banerjee, Donor's Email=souvikbanerjee241@gmail.com, Donor's Phone=7439497726, Requested Blood=A+, Timing=2023-11-10 17:02:41, Request Status=Accepted, and Report User (button). Below the table, it says "Showing 1 to 1 of 1 entries". At the bottom right, there is a watermark: "Activate Windows Go to Settings to activate Windows.".

- **Test Case 9 SLNO 3:-**

This screenshot is identical to the one above, except the "Request Status" column for the single donor entry shows "Rejected" instead of "Accepted". All other details, including the sidebar menu and the watermark at the bottom right, remain the same.

**11.10**

### **Test Case NO:- 10:-**

**Test Case Name:- Send Warning (Admin Panel)**

<b>Test Case NO</b>	<b>Test Data</b>	<b>Expected</b>	<b>Actual</b>	<b>Status (pass / fail)</b>
1	<send warning>	Email Of Warning Can Be Sent	Email Of Warning Can Be Sent	Pass

## ● Test Case 10 SLNO 1:-

The screenshot shows the Admin Panel's 'View All Reports' page. The left sidebar has a red 'Spread The Red' header. The main area displays a table with columns: SL No, Reported By, Report To, Report Description, Send Warning, Block User, Unblock User, and Status. The 'Send Warning' column contains several 'Send' buttons, one of which is highlighted in red. The status column shows various states like Active, Blocked, and Unlocked.

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubarpathak70@gmail.com	soumenrdrnathpathak@gmail.com	Spam User	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
2	rubarpathak70@gmail.com	anikapatra1@gmail.com	Demands Money	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
3	soumenrdrnathpathak@gmail.com	rubarpathak70@gmail.com	same	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
4	souvikbanerjee241@gmail.com	sirhasumita725@gmail.com	Demands 10000000 Money	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
5	rubarpathak70@gmail.com	aprasaa151@gmail.com	Spam	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Blocked
6	rubarpathak70@gmail.com	souvikbanerjee241@gmail.com	Spam User	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active

The screenshot shows the Admin Panel's 'View All Reports' page with a red 'Spread The Red' header. The main area displays a table of user reports. Below the table, an email inbox window is open, showing an incoming message from 'obddms2023@gmail.com'. The message subject is 'OBDDMS: You Get A Warning' and the body text includes a warning about violating terms and conditions.

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubarpathak70@gmail.com	soumenrdrnathpathak@gmail.com	Spam User	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
2	rubarpathak70@gmail.com	anikapatra1@gmail.com	Demands Money	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
3	soumenrdrnathpathak@gmail.com	rubarpathak70@gmail.com	same	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
4	souvikbanerjee241@gmail.com	sirhasumita725@gmail.com	Demands 10000000 Money	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active
5	rubarpathak70@gmail.com	aprasaa151@gmail.com	Spam	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Blocked
6	rubarpathak70@gmail.com	souvikbanerjee241@gmail.com	Spam User	<span style="background-color: yellow;">Send</span>	<span style="background-color: red;">Block User</span>	<span style="background-color: green;">Unblock User</span>	Active

mail/u/0/?tab=m&ogbl=1&fmcgsgWtHtpWhWCRLFDxtQjmjyjd  
Q in sent X 1 of 118

OBDDMS: You Get A Warning

obddms2023@gmail.com to soumenrdrnathpathak 6:41PM (0 minutes ago)

Dear User,

You received a warning from OBDDMS for Violating our terms and condition

If you do it further you will be blocked for lifetime.

Regards,

Social Service Investigating Team,  
Online Blood Donor Database Management System  
Email - obddms2023@gmail.com

Reply Forward

11.11

Test Case NO:- 11:-

**Test Case Name:- Block/Unblock (Admin Panel)**

Test Case NO	Test Data	Expected	Actual	Status (pass / fail)
1	<block>	User can be blocked and an email will be sent	User can be blocked and an email will be sent	Pass
2	<unblock>	User can be unblocked and an email will be sent	User can be unblocked and an email will be sent	Pass

### • Test Case 11 SLNO 1:-

The screenshot shows two views of the OBDDMS Admin Panel. On the left, the 'Reports' section displays a list of user reports with columns for Sl.No, Reported By, Report To, Report Description, Send Warning, Block User, Unblock User, and Status. The status for most users is 'Active'. On the right, a 'Block User' modal is open, showing a 'Block' input field with the value 'souvikbanerjee241@gmail.com' and a 'Block User' button.

Sl.No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubarpathak70@gmail.com	soumenstrathpathak@gmail.com	Spam User	<input type="button" value="Send"/>	<input type="button" value="Block User"/>	<input type="button" value="Unblock User"/>	Active
2	rubarpathak70@gmail.com	anilpathak@gmail.com	Demand Money	<input type="button" value="Send"/>	<input type="button" value="Block User"/>	<input type="button" value="Unblock User"/>	Active
3	soumenstrathpathak@gmail.com	rubarpathak70@gmail.com	scam	<input type="button" value="Send"/>	<input type="button" value="Block User"/>	<input type="button" value="Unblock User"/>	Active
4	souvikbanerjee241@gmail.com	shreusmiti22@gmail.com	Demand 100000000 Money	<input type="button" value="Send"/>	<input type="button" value="Block User"/>	<input type="button" value="Unblock User"/>	Active
5	rubarpathak70@gmail.com	aptdata51@gmail.com	Spam	<input type="button" value="Send"/>	<input type="button" value="Block User"/>	<input type="button" value="Unblock User"/>	Blocked
6	rubarpathak70@gmail.com	souvikbanerjee241@gmail.com	Spam User	<input type="button" value="Send"/>	<input type="button" value="Block User"/>	<input type="button" value="Unblock User"/>	Active

#### OBDDMS: You Have Been Blocked

An email from 'obddms2023@gmail.com' to 'souvikbanerjee241' dated 6:54 PM (1 minute ago). The email body states: 'You have been blocked from OBDDMS for Violating our terms and condition. To review it contact in this email [obddms2023@gmail.com](mailto:obddms2023@gmail.com). Regards, Social Service Investigating Team. Online Blood Donor Database Management System Email - obddms2023@gmail.com'.

The screenshot shows the OBDDMS login page. A yellow error message box at the top says 'Error Your Account is Blocked Please Contact: obddms2023@gmail.com'. Below the message are fields for 'Email address' and 'Password', and buttons for 'Submit' and 'Forgot Password?'. Navigation links at the top include Home, Donor Login, Member Login, About Us, Admin Login, and Contact Us.

## ● Test Case 11 SLNO 2:-

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
2	rubanpathak706@gmail.com	anikpatra.tih@gmail.com		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
3	soumendranathpathak@gmail.com	rubanpathak		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
4	souvikbanerjee241@gmail.com	sinhasmita		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
5	rubanpathak706@gmail.com	arpitadas1576@gmail.com		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Blocked
6	rubanpathak706@gmail.com	souvikbanerjee241@gmail.com		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Blocked

Show 10 entries

OBDDMS: Your Account Unblocked

obddms2023@gmail.com to souvikbanerjee241

6:54 PM (11 minutes ago)

Dear User,

Your account has been unblocked

If you do any malpractice further your account will be blocked forever

Regards,

Social Service Investigating Team,

Online Blood Donor Database Management System

Email: obddms2023@gmail.com

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
2	rubanpathak706@gmail.com	anikpatra.tih@gmail.com	Demands Money	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com	saome	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
4	souvikbanerjee241@gmail.com	sinhasmita725@gmail.com	Demands 10000000 Money	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
5	rubanpathak706@gmail.com	arpitadas1576@gmail.com	Spam	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Blocked
6	rubanpathak706@gmail.com	souvikbanerjee241@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active

Show 10 entries

Activate Windows  
Go to Settings to activate Windows.

# 12 User Manual:-

## 12.1 User Manual For Blood Donor

1. All new Donors can enter into our website with their basic details like (Name, Email, Phone, Address, Age, Password etc) through this signup page.

The screenshot shows a web browser window with the URL `localhost/Something/Online-Blood-Donor-Database-Management-System/BLOOD%20DONOR%20SIGNUP%20FORM/Donor_SignUpForm.php`. The page has a red header bar with the text "Join As Donors". Below it is a form titled "Signup". The form fields include:

- Name: Sounak Das
- Email address: sounakdas991@gmail.com
- Phone Number: 9833766872
- Address: Bhadravati
- Pin Code: 712211
- Blood Group: O+
- State: West Bengal
- City: Bhadravati
- Password: \*\*\*\*
- Confirm Password: \*\*\*\*
- Age: 20

A "Submit" button is located at the bottom of the form. At the very bottom of the page, there is a link "Back to Login".

2. After submitting the sign up form, a random 6 digit otp will be sent to the donor's specified email address.

The donor should put the otp correctly into the otp modal for completing the sign up process.

The screenshot shows a web browser window with the URL `localhost/Something/Online-Blood-Donor-Database-Management-System/BLOOD%20DONOR%20LOGIN%20FORM/otp.php`. The page has a red header bar with the text "OBDDMS:Email Id Verification". The main content area contains an email message:

obddms2023@gmail.com  
to sounakdas991@gmail.com

Dear Blood Donor

Your One Time Password (OTP) for creating account: 651677

Please note that the OTP is valid for only one session. If you try to refresh the page or leave the OBDDMS portal, you will be required to regenerate a new OTP.

If you did not request this OTP, please connect with us immediately at [obddms@gmail.com](mailto:obddms@gmail.com).

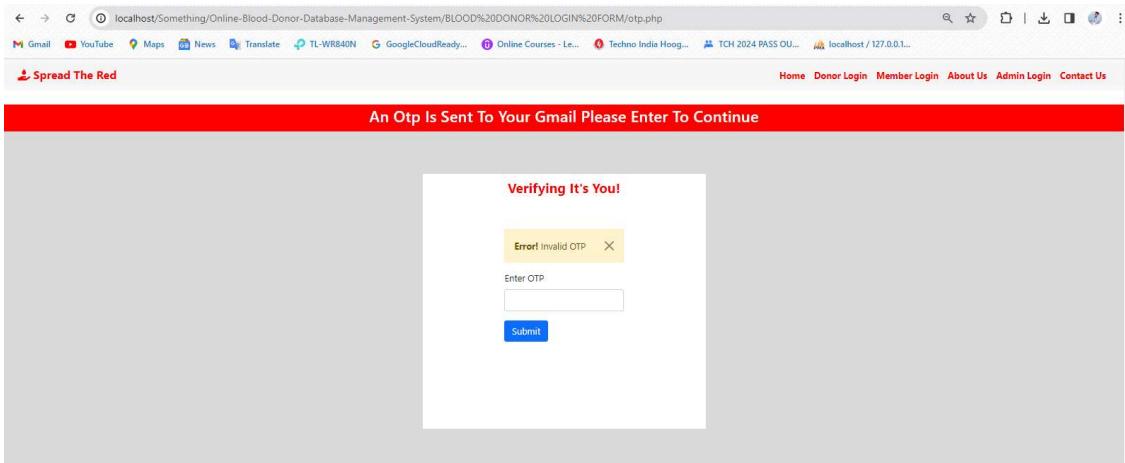
Regards,

Social Service Group

Online Blood Donors Database Management System

On the right side of the page, there is a modal window titled "Verifying It's You!". It contains a text input field labeled "Enter OTP" with the value "651677" and a "Submit" button below it. A red arrow points from the text "Your One Time Password (OTP) for creating account: 651677" in the email body to the "Enter OTP" input field.

3. If the entered OTP is invalid, an error message will be displayed and donor should enter the correct otp again.



4. Donors will be redirected to the login page after completing the signup process. Where they can put their email address, and password.

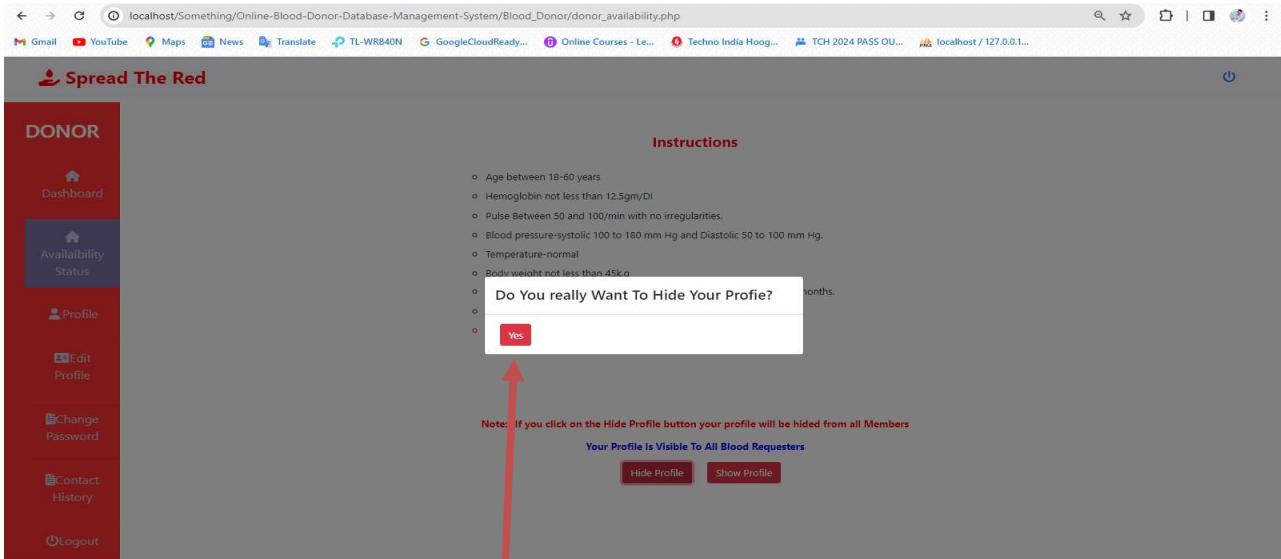
If the credentials do not match, an error message will be displayed.

5. Otherwise the login process is complete and the donor will be redirected to the Dashboard.

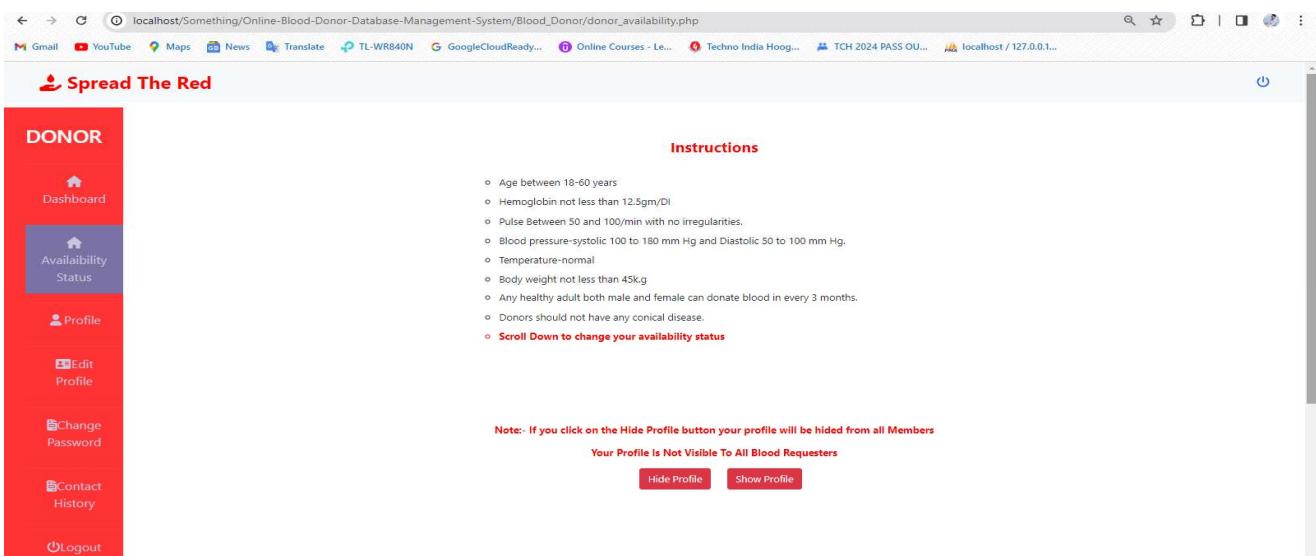
The screenshot shows two browser tabs. The left tab displays the 'Login As Donors' page with fields for Email address (souvikbanerjee24@gmail.com) and Password, and buttons for Submit, Forget Password?, and New User? Sign Up?. The right tab shows the 'DONOR' dashboard for user Souvik Banerjee, featuring a sidebar with links for Dashboard, Availability Status, Profile, Edit Profile, Change Password, Contact History, and Logout. The main area of the dashboard features a heart icon surrounded by medical symbols like a stethoscope and a syringe, with the text 'Welcome Souvik Banerjee' at the top.

6. In the Availability Status section donors can hide their or show their profile from the other requesters after donating blood.

The screenshot shows the 'donor\_availability.php' page. The sidebar on the left includes links for Dashboard, Availability Status (which is highlighted), Profile, Edit Profile, Change Password, Contact History, and Logout. The main content area is titled 'Instructions' and lists physical requirements for blood donation. Below this is a note: 'Note:- If you click on the Hide Profile button your profile will be hidden from all Members'. It shows two red buttons: 'Hide Profile' and 'Show Profile'. Two red arrows point from boxes labeled 'CLICK HERE TO HIDE YOUR PROFILE' and 'CLICK HERE TO SHOW YOUR PROFILE' towards these respective buttons.



CLICK HERE TO CONFIRMATION FOR  
HIDE



FINALLY YOUR PROFILE WILL BE HIDDEN

7. Now, in the contact history section the donor can accept reject or report that particular requester the process are here:-

**DONOR**

- Dashboard
- Availability Status
- Profile
- Edit Profile
- Change Password
- Contact History
- Logout

Spread The Red

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejection	Report User
1		Debjit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

FIRSTLY, SELECT THIS FROM ANY OF THIS PENDING REQUEST (IF YOU WANT TO ACCEPT THIS REQUEST)

**DONOR**

- Dashboard
- Availability Status
- Profile
- Edit Profile
- Change Password
- Contact History
- Logout

Spread The Red

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejection	Report User
1		Debjit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

Contact History										
SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejectence	Report User
1		Debit Debnath	darsonanandam@gmail.com	6289191890	A+	2023-11-05 18:35:00	Accepted	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:02	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 05:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

Previous 1 Next

2 new notifications

THE REQUESTER'S PHONE CAN BE SHOWN

ALSO THE STATUS CAN BE CHANGED TO ACCEPTED

### OBDDMS: Blood Request Accepted



obddms2023@gmail.com

to darsonanandam ▾

Dear User,

Congratulations, Your Blood Requested Has Been Approved By [souvikbanerjee241@gmail.com](mailto:souvikbanerjee241@gmail.com)

Please Go to Your Profile And Go View Contact History tab to get access donor contact details.

Regards,

Social Service Group

Online Blood Donors Database Management System

Email- [obddms2023@gmail.com](mailto:obddms2023@gmail.com)

[Reply](#)

[Forward](#)

AT THAT TIME THIS EMAIL CAN BE SENT

**Spread The Red**

**DONOR**

- Dashboard
- Availability Status
- Profile
- Edit Profile
- Change Password
- Contact History
- Logout

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejectence	Report User
1		Debjit Debnath	darsonanandam@gmail.com	6289191890	A+	2023-11-05 18:35:00	Accepted	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

Previous **1** Next

2 new notifications

IF YOU WANT TO REJECT THIS REQUEST CLICK ON THIS

**Spread The Red**

**DONOR**

- Dashboard
- Availability Status
- Profile
- Edit Profile
- Change Password
- Contact History
- Logout

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejectence	Report User
1		Debjit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Accepted	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

Previous **1** Next

NEXT CLICK ON THIS TO REJECT REQUEST AND WAIT FOR SOME SECOND FOR SENDING EMAIL

localhost/Something/Online-Blood-Donor-Database-Management-System/Blood\_Donor/Contact\_History.php

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejectence	Report User
1		Debit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Rejected	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:02:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

NOW THE PHONE NUMBER WILL BE HIDED

AND THE STATUS CAN BE CHANGED TO REJECTED

## OBDDMS: Blood Request Rejected



obddms2023@gmail.com  
to darsonanandam ▾

Dear User,

Your Blood Requested Has Been Rejected By [souvikbanerjee241@gmail.com](mailto:souvikbanerjee241@gmail.com)

Please Go to Your Profile And Go View Contact History tab to get access donor contact details.

Regards,

Social Service Group

Online Blood Donors Database Management System

Email:- [obddms2023@gmail.com](mailto:obddms2023@gmail.com)

[Reply](#)

[Forward](#)

AT THE SAME TIME THIS EMAIL CAN BE SENT TO THAT REQUESTER

Screenshot of the Blood Donor Contact History page. The page title is "Spread The Red". On the left, there's a sidebar with "DONOR" and various menu items: Dashboard, Availability Status, Profile, Edit Profile, Change Password, Contact History (which is selected and highlighted in blue), and Logout.

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejectence	Report User
1		Debjit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Rejected	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

Previous 1 Next

TO REPORT THIS BLOOD REQUESTER CLICK ON THE REPORT BUTTON

Screenshot of the Blood Donor Contact History page, similar to the first one but with a modal dialog open. The modal title is "Do You Want To Report This User?". It contains a text input field labeled "Describe Your Problem" with the text "Spam User" entered, and a red "Report User" button below it.

The background table data is identical to the first screenshot:

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejectence	Report User
1		Debjit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Rejected	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button>Accept Request</button>	<button>Reject Request</button>	<button>Report</button>

Showing 1 to 4 of 4 entries

FILL UP THIS FIELD

NEXT CLICK ON THIS BUTTON TO  
SUBMIT REPORT

localhost/Something/Online-Blood-Donor-Database-Management-System/Blood\_Donor/Contact\_History.php

Gmail YouTube Maps News Translate TL-WR840N GoogleCloudReady... Online Courses - Le... Techno India Hoog... TCH 2024 PASS OU... localhost / 127.0.0.1...

### Spread The Red

Report Sent Successfully We Will Surely Investigate It!!!

SL NO	Profile Picture	Requester's Name	Requester's Email	Requester's Phone	Requested Blood	Timing	Status	Acceptance	Rejection	Report User
1		Debjit Debnath	darsonanandam@gmail.com		A+	2023-11-05 18:35:00	Rejected	<button style="background-color: blue; color: white; border: none; padding: 2px 10px;">Accept Request</button>	<button style="background-color: yellow; color: black; border: none; padding: 2px 10px;">Reject Request</button>	<button style="background-color: red; color: white; border: none; padding: 2px 10px;">Report</button>
2		Susmita Sinha	sinhasusmita725@gmail.com		A+	2023-11-05 20:40:50	Pending	<button style="background-color: blue; color: white; border: none; padding: 2px 10px;">Accept Request</button>	<button style="background-color: yellow; color: black; border: none; padding: 2px 10px;">Reject Request</button>	<button style="background-color: red; color: white; border: none; padding: 2px 10px;">Report</button>
3		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 08:13:48	Pending	<button style="background-color: blue; color: white; border: none; padding: 2px 10px;">Accept Request</button>	<button style="background-color: yellow; color: black; border: none; padding: 2px 10px;">Reject Request</button>	<button style="background-color: red; color: white; border: none; padding: 2px 10px;">Report</button>
4		Rayashri Sil	dilipsil3679@gmail.com		A+	2023-11-06 12:08:01	Pending	<button style="background-color: blue; color: white; border: none; padding: 2px 10px;">Accept Request</button>	<button style="background-color: yellow; color: black; border: none; padding: 2px 10px;">Reject Request</button>	<button style="background-color: red; color: white; border: none; padding: 2px 10px;">Report</button>

**REPORT SUBMITTED SUCCESSFULLY**

### 8. The donor can view their profile through the 'Profile' option.

localhost/Something/Online-Blood-Donor-Database-Management-System/Blood\_Donor/donor\_profile.php

Gmail YouTube Maps News Translate TL-WR840N GoogleCloudReady... Online Courses - Le... Techno India Hoog... TCH 2024 PASS OU... localhost / 127.0.0.1...

### Spread The Red



Souvik Banerjee

souvikbanerjee241@gmail.com

7439497726

294/5, sarat sarani balir more, hooghly.

West Bengal

Chinsurah

**Spread The Red**

**DONOR**

Name: Souvik Banerjee

Email address: souvikbanerjee241@gmail.com

Phone Number: 7439497726

Address: 294/5, sarat sarani balir more, hooghly.

Pin Code: 712103

Blood Group: A+

State: West Bengal

City: Chinsurah

Age: 18

Update Image: Choose File [No file chosen]

**Save Changes**

10. Any time a donor can change their password through the 'Change Password' option.

**Spread The Red**

**DONOR**

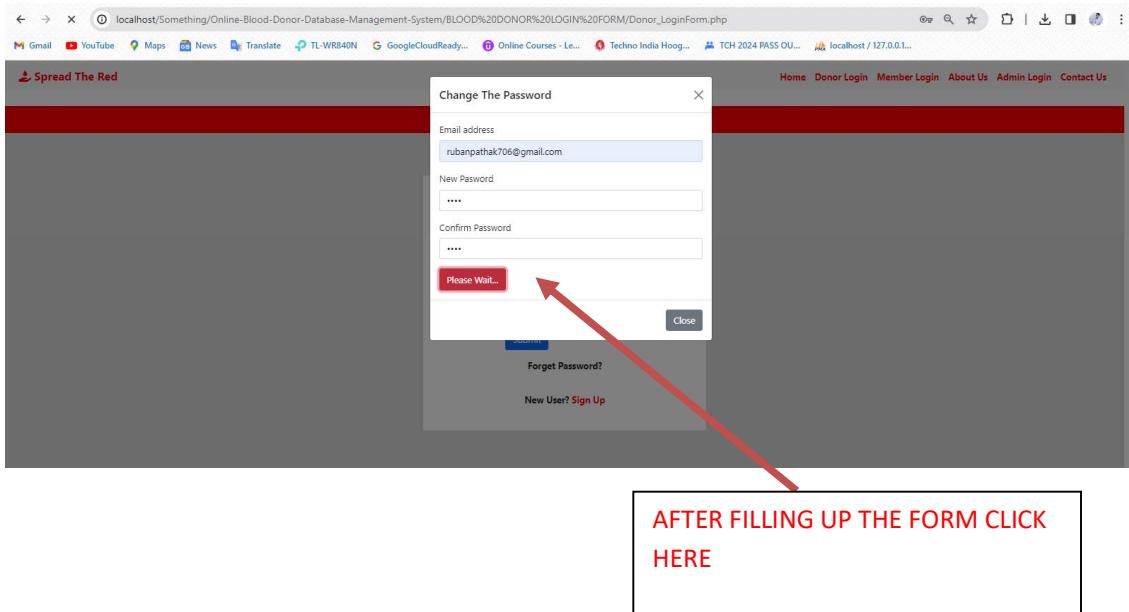
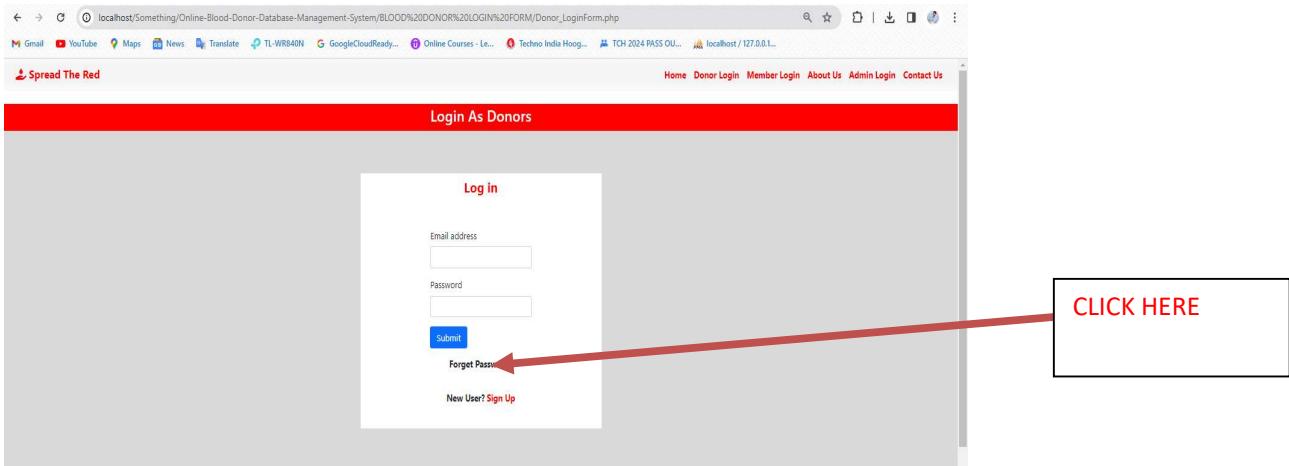
Enter Previous Password

Enter New Password

Confirm Password

**Set Password**

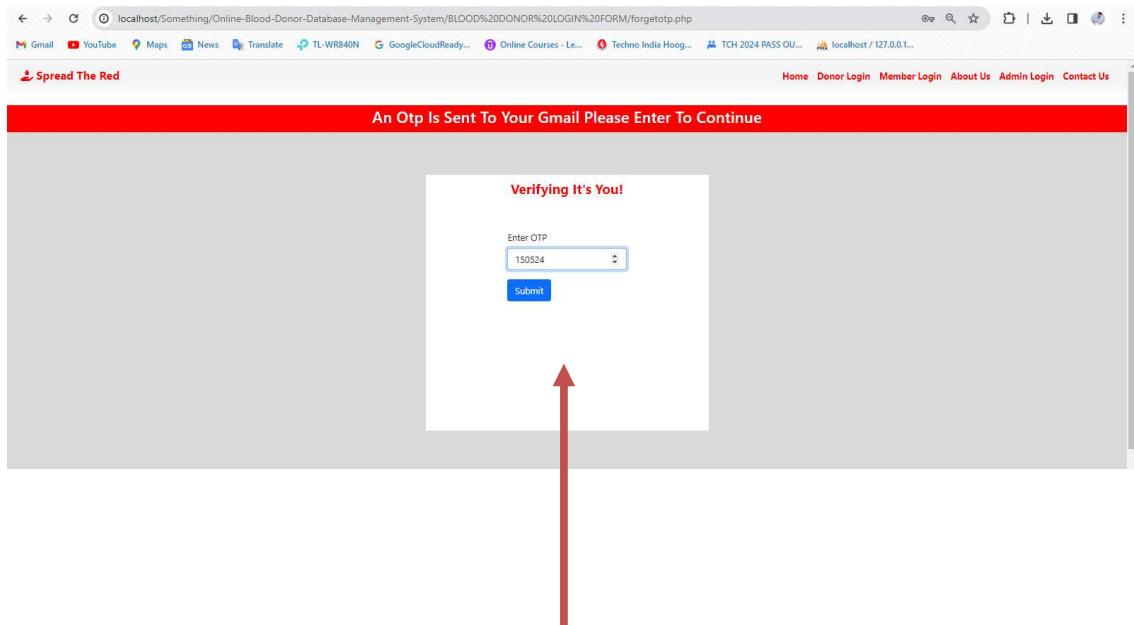
11. Forget password instructions



### OBDDMS: Login Email ID Verification

 obddms2023@gmail.com  
 to rubanpathak706 ▾  
 Dear User  
  
 Your One Time Password (OTP) for changing password: **150524**  
  
 Please note that the OTP is valid for only one session, if you try to refresh the page or leave the OBDDMS portal, you will be required to regenerate a new OTP.  
  
 If you did not request this OTP, please connect with us immediately at [obddms2023@gmail.com](mailto:obddms2023@gmail.com).  
  
 Regards,  
  
 Social Service Group  
  
 Online Blood Donors Database Management System

**COPY THIS OTP**

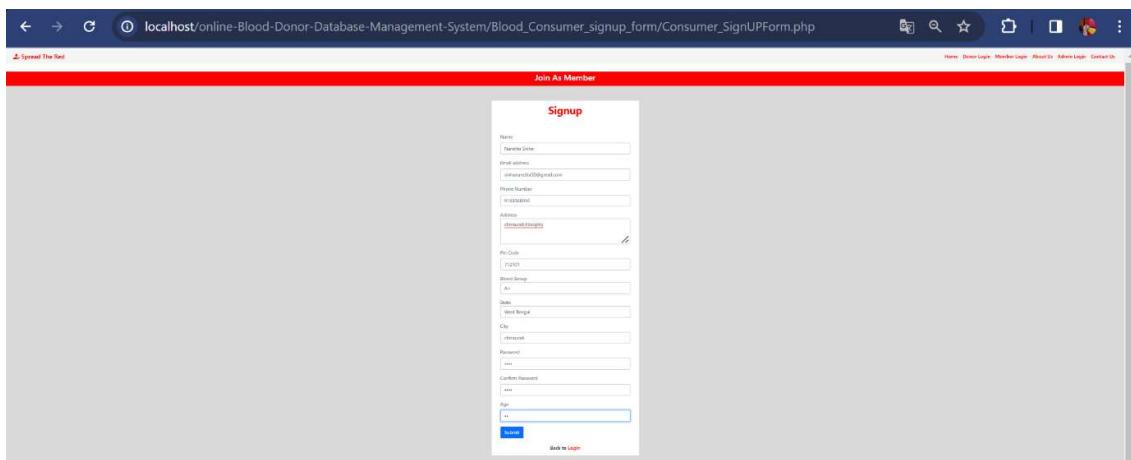


PASTE THE OTP AND SUBMIT THE OTP TO CHANGE YOUR PASSWORD

## User Manual

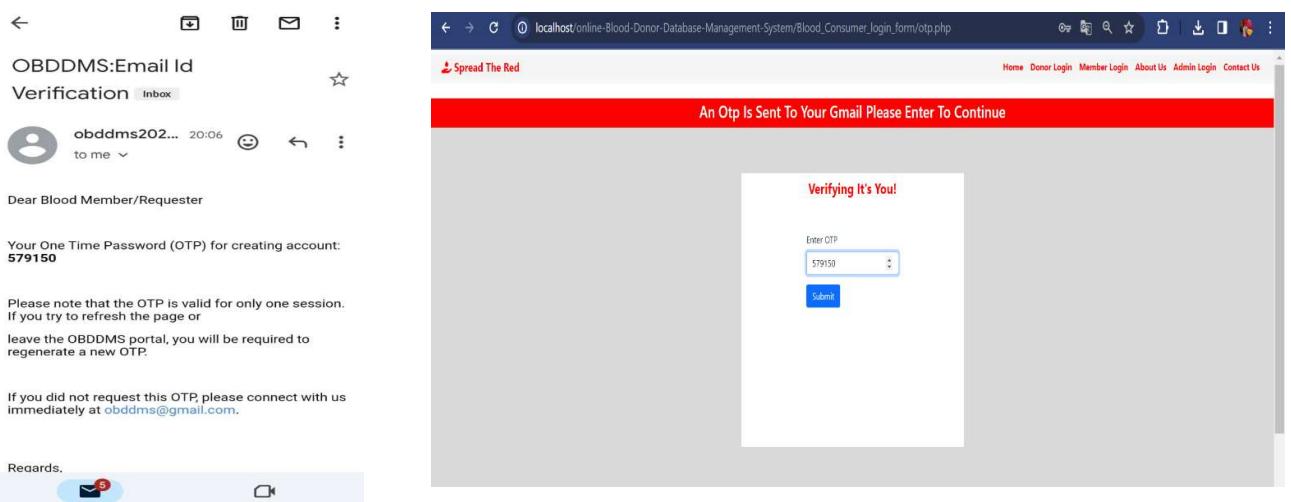
### **12.2 Blood Requester (Member):**

1. All new Members can enter into our website with their basic details like (Name,Email,Phone,Address,Age,Password etc) through this signup page.



2. After submitting the sign up form, a random 6 digit otp will be sent to the member's specified email address.

The member should put the otp correctly into the otp modal for completing the sign up process.



OBDDMS:Email Id Verification

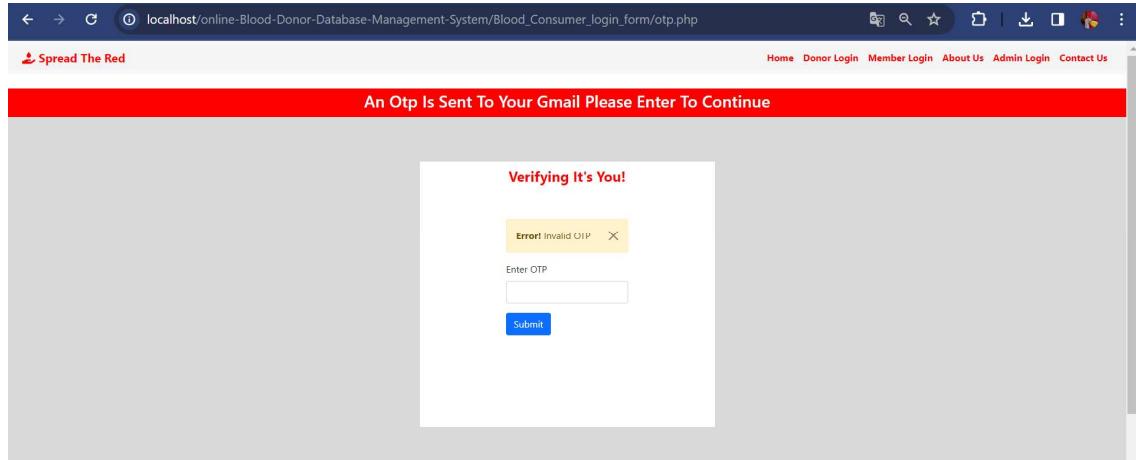
An Otp Is Sent To Your Gmail Please Enter To Continue

Verifying It's You!

Enter OTP: 579150

Submit

- If the entered OTP is invalid, an error message will be displayed and member should enter the correct otp again.



- Members will be redirected to the login page after completing the signup process. Where they can put their email address, and password.

If the credentials do not match, an error message will be displayed.

5. Otherwise the login process is complete and the member will be redirected to the Dashboard.

The left window shows the 'Consumer\_Login\_form' page with a red header 'Login As Member'. It contains a 'Log in' form with fields for 'Email Address' (set to 'admin@gmail.com') and 'Password', and buttons for 'Submit', 'Forgot Password?', and 'New User? Sign Up?'. The right window shows the 'consumer.php' dashboard with a red sidebar titled 'BLOOD REQUESTERS' containing links for 'Dashboard', 'Q. Search Donors', 'Profile', 'Edit Profile', 'Change Password', 'View Contact History', and 'Logout'. The main area displays a welcome message 'Welcome Nandita Sinha' and a graphic of a heart with a stethoscope and medical icons.

6. In the 'Search Donors' option, members can search for the respective donor based on their required Blood Group and pincode.

The screenshot shows the 'search\_donors.php' page. The left sidebar has the same 'BLOOD REQUESTERS' structure as the previous dashboard. The main area has input fields for 'Blood Group' (set to 'A+') and 'Pin Code' (set to '712103'). Below these is a 'Search Here' button. The results section is titled 'Search Results' and includes a table header with columns: SL Number, Profile Picture, Donors Name, Donors Blood Group, Donors Email Id, Donors Address, Donors City, Donors Age, Donors Pin, Send Blood Request, and Report Donor. A note says 'No data available in table'. At the bottom, it shows 'Showing 0 to 0 of 0 entries' and 'Previous' and 'Next' buttons.

7. The available donor list will be displayed for that particular pin code.

This screenshot shows the same 'search\_donors.php' page after a search. A green success message at the top says 'Success! Blood Request Sent Successfully'. The main results table now shows one entry for a donor named 'Sourav Banerjee' with the following details:

SL Number	Profile Picture	Donors Name	Donors Blood Group	Donors Email Id	Donors Address	Donors City	Donors Age	Donors Pin	Send Blood Request	Report Donor
1		Sourav Banerjee	A+	souravbanerjee241@gmail.com	204/2, satat salar, bali more, howrah.	Chinhatra	18	712 103	<button>Send Blood Request</button>	<button>Report Donor</button>

At the bottom, it shows 'Showing 1 to 1 of 1 entries' and 'Previous' and 'Next' buttons.

8. If the member sends the request, a request message will be sent to the donor's email address.

**OBDDMS: Reciving Blood Donation Request**

obddms2023@gmail.c... 8:51 pm to me

Please note, your selfless act can make a world of difference and bring renewed hope to someone in need.

With deepest regards,  
Social Service Group  
Online Blood Donors Database Management System  
Email: obddms2023@gmail.com\*

This revised email conveys the importance of the recipients blood donation and fosters a sense of community and hope.

Reply | Reply all | Forward

9. Until the donor either accepts or rejects the request, the member's status will be displayed as 'pending'. The donor's contact no also hidden.

10. When the donor accepts the request, the status will be updated to 'Accepted'. Simultaneously the donor contact will be unhidetd to that particular member.

A system generated receive request email will be sent to the requester email.



## OBDDMS: Blood Request

Accepted [Inbox](#)



obddms2023... 21:18

Dear User,

Congratulations, Your Blood Requested Has Been Approved By [souvikbanerjee241@gmail.com](mailto:souvikbanerjee241@gmail.com)

Please Go To Your Profile And Go View Contact History tab to get access donor contact details.

Regards,

Social Service Group

Online Blood Donors Database Management System

Email:- [obddms2023@gmail.com](mailto:obddms2023@gmail.com)



11. We try to increase the security of this whole process and that's why we add the report feature. In which a particular member can reported against the in-appropriate donor.

The screenshot shows a web browser window with the URL [localhost/online-Blood-Donor-Database-Management-System/Blood\\_Consumer/viewcontacteddonors.php](http://localhost/online-Blood-Donor-Database-Management-System/Blood_Consumer/viewcontacteddonors.php). On the left, there is a sidebar with a red background titled 'BLOOD REQUESTERS' containing links: Dashboard, Search Donors, Profile, Edit Profile, Change Password, View Contact History, and Logout. The main content area displays a table with one entry. A modal window is open over the table, asking 'Do You Want To Report This User?'. Below the question is a text input field with the value 'spam user'. At the bottom of the modal is a red 'Report' button.

12. The report successfully sent to the admin panel.

The screenshot shows the same web browser window after a report was submitted. The success message 'Success! Report Sent Successfully. We Will Surely Investigate It!!!' is displayed in a green bar at the top. The main content area shows the same table as before, but the 'Report' button in the modal is now greyed out, indicating it has been clicked. The rest of the interface remains the same, with the sidebar and table layout.

13. The member can view their profile through the ‘Profile’ option.

The screenshot shows a web browser window with the URL `localhost/online-Blood-Donor-Database-Management-System/Blood_Consumer/profile.php`. The page title is "Spread The Red". On the left, there is a red sidebar menu titled "BLOOD REQUESTERS" with options: Dashboard, Search Donors, Profile (which is selected and highlighted in blue), Edit Profile, Change Password, View Contact History, and Logout. The main content area displays the following profile information in input fields:

- Name: Nandita Sinha
- Email address: sinhanandita58@gmail.com
- Phone Number: 9163568016
- Address: chinsurah, Hooghly
- Pin Code: 712101
- Blood Group: A+
- State: West Bengal
- City: chinsurah
- Age: 40

A circular profile picture placeholder is shown above the name field.

14. Member also will be able to edit their basic account details via ‘Edit Profile’ option.

The screenshot shows a web browser window with the URL `localhost/online-Blood-Donor-Database-Management-System/Blood_Consumer/edit_profile.php`. The page title is "Spread The Red". The left sidebar is identical to the previous profile page. The main content area shows the same profile information as the previous page, but the fields are now interactive input fields for editing:

- Name: Nandita Sinha
- Email address: sinhanandita58@gmail.com
- Phone Number: 9163568016
- Address: chinsurah, Hooghly
- Pin Code: 712101
- Blood Group: A+
- State: West Bengal
- City: chinsurah
- Age: 40

Below the form, there is a "Update Image" section with a file input field and a "Save Changes" button.

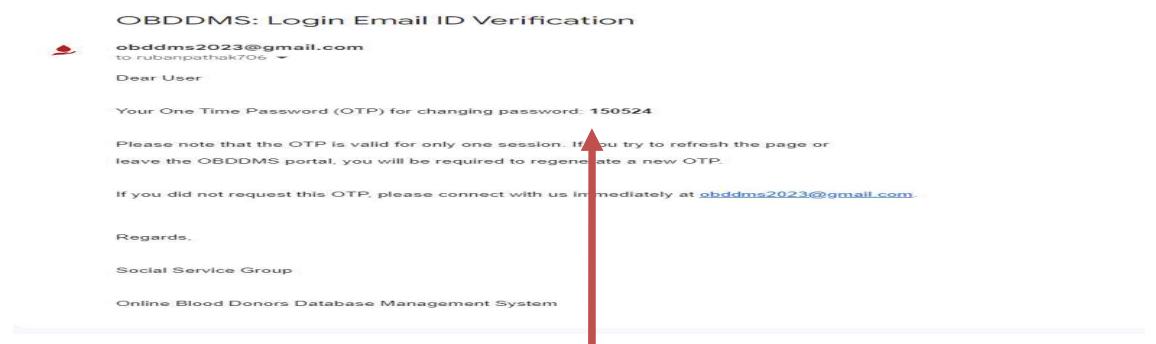
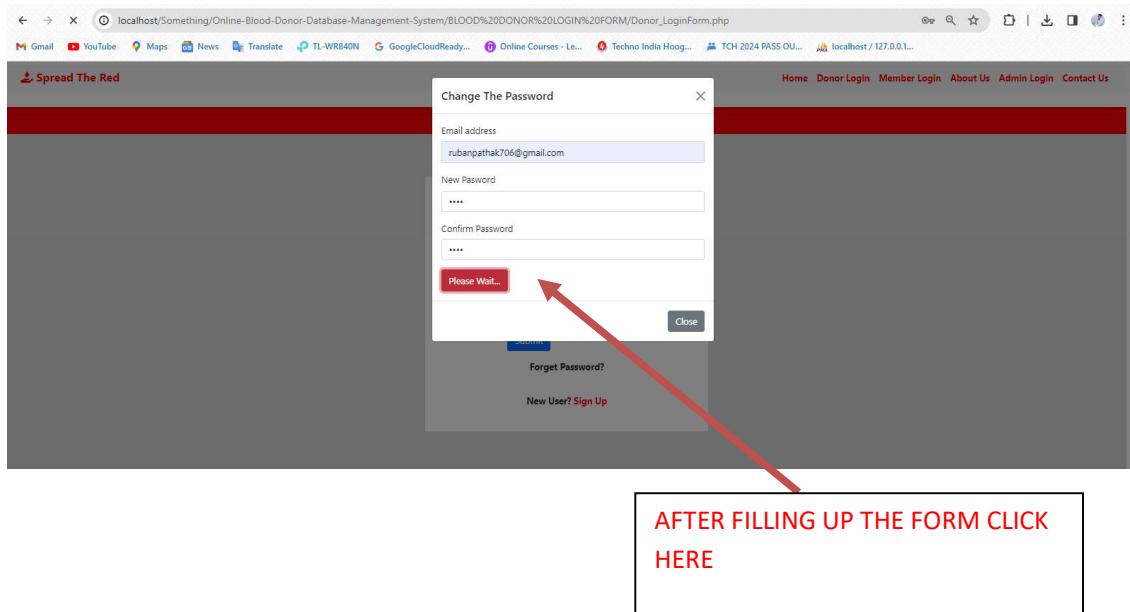
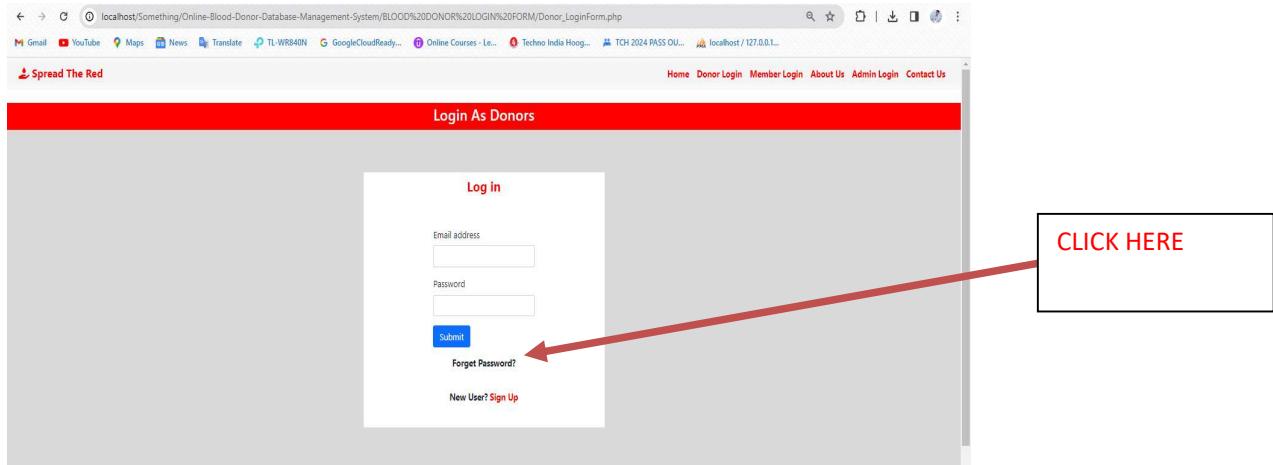
15. Any time a member can change their password through the ‘Change Password’ option.

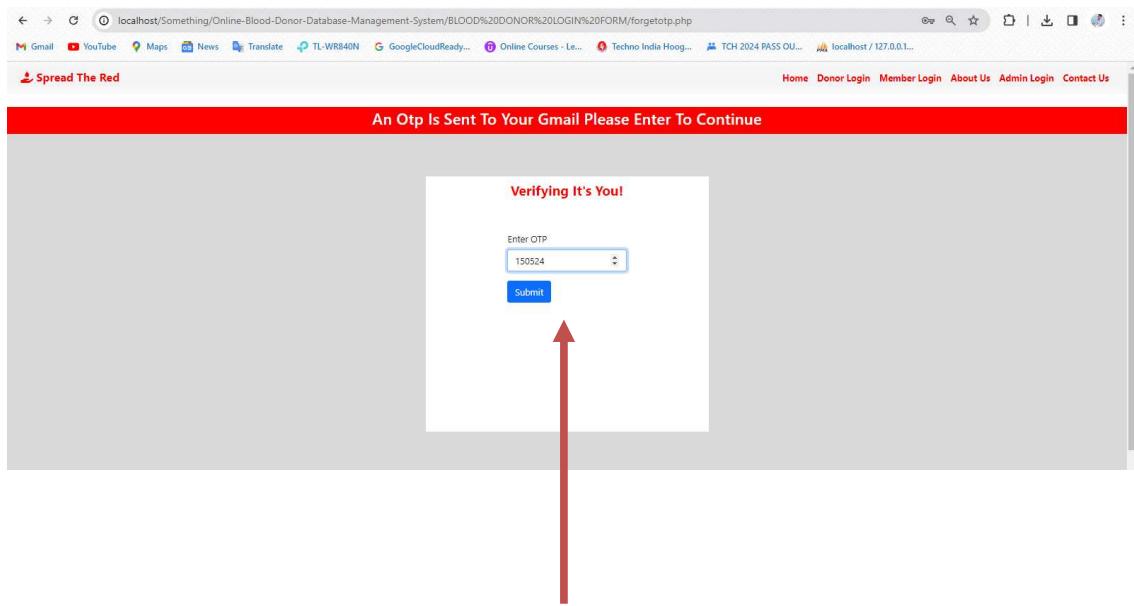
The screenshot shows a web browser window with the URL `localhost/online-Blood-Donor-Database-Management-System/Blood_Consumer/change_password.php`. The page title is "Spread The Red". The left sidebar is identical to the previous pages. The main content area has three input fields:

- Enter Previous Password
- Enter New Password
- Confirm Password

Below the "Enter New Password" field is a "Set Password" button.

16. Forget password instructions





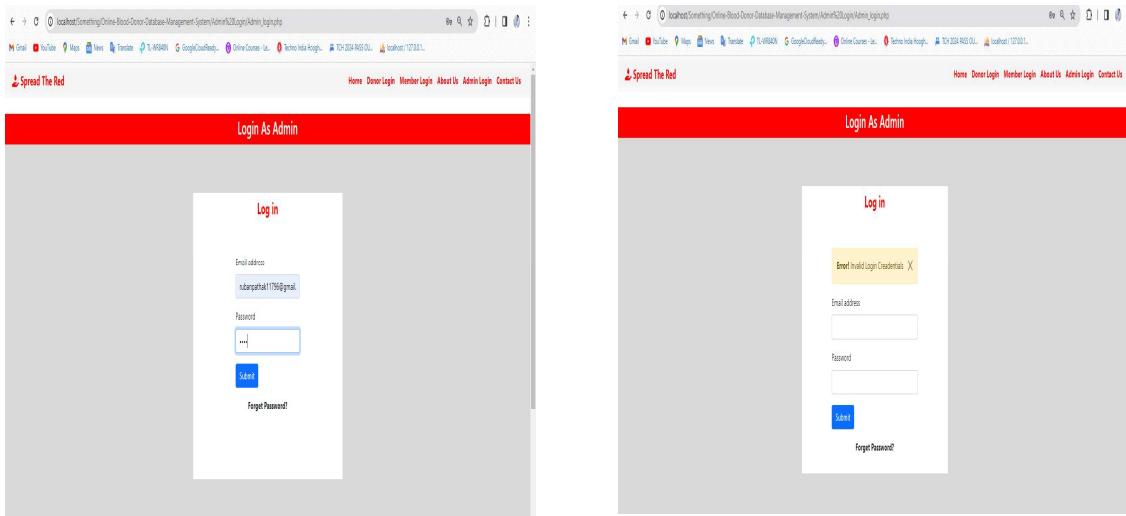
PASTE THE OTP AND SUBMIT THE OTP TO CHANGE YOUR PASSWORD

# User Manual For

## 12.3 Admin:

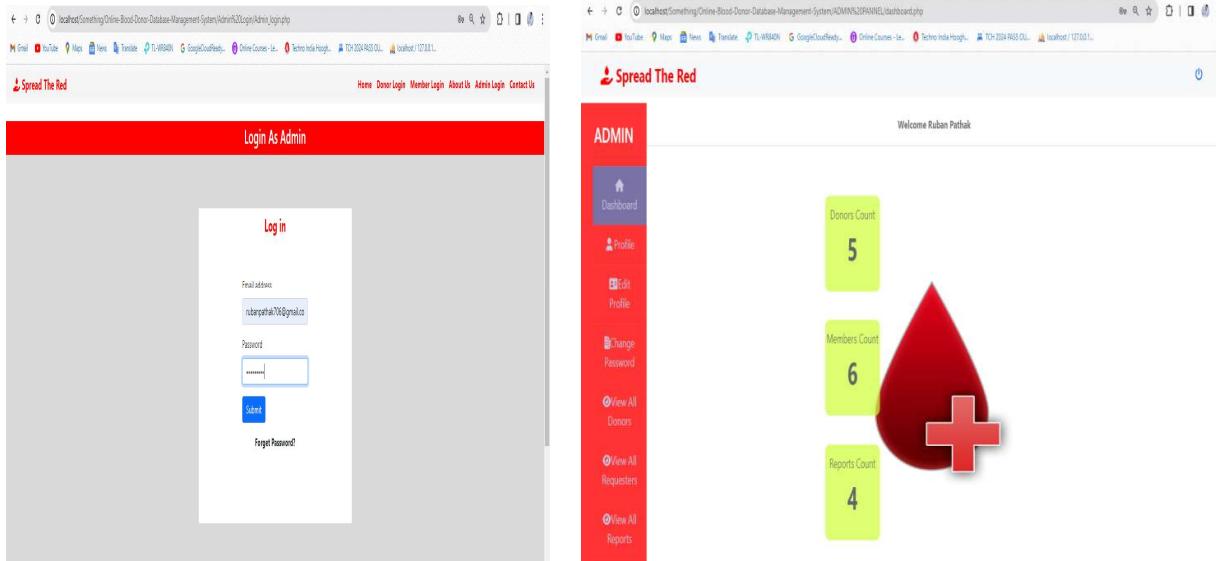
1. Admin can have a login form for entering to the admin panel. Where they can put their email address, and password.

If the credentials do not match, an error message will be displayed.



The image contains two side-by-side screenshots of a web browser displaying a login form for an administrator. Both screenshots show a red header bar with the text 'Login As Admin'. Below this is a white 'Log in' form with fields for 'Email address' (containing 'rubanpathak1796@gmail.com') and 'Password' (containing a masked password). A blue 'Submit' button is at the bottom. In the first screenshot, the 'Submit' button is highlighted in blue, indicating a successful submission. In the second screenshot, a yellow error message box appears above the form with the text 'Email Invalid Login Credentials' and an 'X' icon. The rest of the page includes a navigation menu with links like Home, Donor Login, Member Login, About Us, Admin Login, and Contact Us.

2. Otherwise the login process is complete and the donor will be redirected to the Dashboard.



The image contains two side-by-side screenshots of a web browser. The left screenshot shows the same 'Log in' form as the previous one, with the 'Submit' button highlighted in blue. The right screenshot shows the 'ADMIN' dashboard. The dashboard has a red sidebar on the left with the following menu items: Dashboard, Profile, Edit Profile, Change Password, View All Donors, View All Requesters, and View All Reports. The main area of the dashboard features a large red blood drop graphic with a white plus sign in the center. To the right of the graphic are three green rectangular boxes containing statistics: 'Donors Count' (5), 'Members Count' (6), and 'Reports Count' (4).

3. In the view all reports section all the reports can be seen and verified by Admin and the

The screenshot shows a table with columns: SL No, Reported By, Report To, Report Description, Send Warning, Block User, Unblock User, and Status. The 'Send Warning' column contains yellow 'Send' buttons. A red arrow points from the 'Send' button in the first row to a callout box.

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>
2	rubanpathak706@gmail.com	anikpatra.tih@gmail.com	Demands Money	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com	sacme	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>
4	souvikbanerjee241@gmail.com	darsonandan@gmail.com	Spam User	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>

TO SENT A WARNING TO A USER CLICK ON THE SEND BUTTON

The screenshot shows a 'Send Warning' modal dialog. It has fields for 'Reported By' (rubanpathak706@gmail.com) and 'Report To' (soumendranathpathak@gmail.com). A red arrow points from the 'Send' button in the modal to a callout box.

NEXT CLICK ON THIS BUTTON AND WAIT FOR SOME SECONDS

**OBDDMS: You Get A Warning**

Warning Set Successfully

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	soumendranathpathak@gmail.com	soumendranathpathak@gmail.com	Spam User	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>
2	soumendranathpathak@gmail.com	anikpatra.tih@gmail.com	Demands Money	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com	saome	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>
4	souvikbanerjee241@gmail.com	daronanandam@gmail.com	Spam User	<b>Send</b>	<b>Block User</b>	<b>Unblock User</b>	<b>Active</b>

### OBDDMS: You Get A Warning

obddms2023@gmail.com  
to soumendranathpathak ▾  
Dear User,  
  
You received a warning from OBDDMS for Violating our terms and condition  
  
If you do it further you will be blocked for lifetime.  
  
Regards,  
  
Social Service Investigating Team,  
  
Online Blood Donor Database Management System  
  
Email - obddms2023@gmail.com

[Reply](#) [Forward](#)

**TO BLOCK AN USER CLICK ON THE BLOCK BUTTON**

**Spread The Red**

**ADMIN**

- Dashboard
- Profile
- Edit Profile
- Change Password
- View All Donors
- View All Requesters
- View All Reports**
- View All Site Feedback
- View All Contacted

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
2	rubanpathak706@gmail.com	anikpatra.tih@gmail.com		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
4	souvikbanerjee241@gmail.com	darsonanandam@gmail.com		<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active

Showing 1 to 4 of 4 entries

**Block User**

Block soumendranathpathak@gmail.com

**Block User** **Close**

NEXT CLICK ON THIS  
BUTTON AND WAIT FOR  
SOME SECONDS

**Spread The Red**

**ADMIN**

- Dashboard
- Profile
- Edit Profile
- Change Password
- View All Donors
- View All Requesters
- View All Reports**
- View All Site Feedback
- View All Contacted

User Blocked							
SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	<b>Blocked</b>
2	rubanpathak706@gmail.com	anikpatra.tih@gmail.com	Demands Money	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com	some	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
4	souvikbanerjee241@gmail.com	darsonanandam@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active

Showing 1 to 4 of 4 entries

USER CAN BE BLOCKED AND STATUS CAN BE CHANGED TO BLOCKED

## OBDDMS: You Have Been Blocked



obddms2023@gmail.com

to soumendranathpathak ▾

Dear User,

You have been blocked from OBDDMS for Violating our terms and condition

To review it contact in this email [obddms2023@gmail.com](mailto:obddms2023@gmail.com)

Regards,

Social Service Investigating Team,

Online Blood Doner Database Management System

Email:- [obddms2023@gmail.com](mailto:obddms2023@gmail.com)

Reply

Forward

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Blocked
2	rubanpathak706@gmail.com	anikpatra.th@gmail.com	Demands Money	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com	saome	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
4	souvikbanerjee241@gmail.com	darsonanandam@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active

TO UNBLOCK AN USER CLICK ON THE UNBLOCK BUTTON

The screenshot shows a web application interface for managing user reports. On the left, a red sidebar menu titled 'ADMIN' lists various options: Dashboard, Profile, Edit Profile, Change Password, View All Donors, View All Requesters, View All Reports (which is selected), View All Site Feedback, and View All Contacted. The main content area displays a table of reported users:

SL No	Reported By	Report To	Report Description	Send Warning	Block User	Unblock User	Status
1	rubanpathak706@gmail.com	soumendranathpathak@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Blocked
2	rubanpathak706@gmail.com	anikpatra.tlh@gmail.com	Demands Money	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
3	soumendranathpathak@gmail.com	rubanpathak706@gmail.com	saome	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active
4	souvikbanerjee241@gmail.com	darsonanandam@gmail.com	Spam User	<button>Send</button>	<button>Block User</button>	<button>Unblock User</button>	Active

A modal window titled 'Unblock User' is open, containing a single input field with the value 'soumendranathpathak@gmail.com' and a red 'Unblock User' button.

NEXT CLICK IN THIS BUTTON TO  
UNBLOCK AND WAIT FOR FEW  
SECONDS

The screenshot shows the same web application interface after the user has been unblocked. The 'Status' column for the first row now shows 'Active'. A red arrow points from the 'Unblock User' button in the previous screenshot to this 'Active' status in the current screenshot.

USER CAN BE UNBLOCKED AND THE STATUS CAN BE CHANGED

## OBDDMS: Your Account Unblocked



**obddms2023@gmail.com**

to soumendranathpathak ▾

Dear User,

Your account has been unblocked

If you do any malpractice further your account will be blocked forever

Regards,

Social Service Investigating Team,

Online Blood Doner Database Management System

Email:- [obddms2023@gmail.com](mailto:obddms2023@gmail.com)

Reply

Forward

4. Now, in the VIEW ALL DONORS section Admin can see all the donors .

The screenshot shows the OBDDMS Admin dashboard. On the left, a red sidebar menu lists various admin functions: Dashboard, Profile, Edit Profile, Change Password, View All Donors (which is selected and highlighted in blue), View All Requesters, View All Reports, View All Site Feedback, and View All Contacted. The main content area is titled 'Spread The Red' and displays a table of donor information. The table has columns for SL NO, Profile Picture, Donors Name, Donors Email, Donors Phone, and Donors Blood Group. There are 5 entries listed:

SL NO	Profile Picture	Donors Name	Donors Email	Donors Phone	Donors Blood Group
1		Souvik Banerjee	souvikbanerjee241@gmail.com	7439497726	A+
2		Ruban Pathak	rubanpathak706@gmail.com	6289814242	B+
3		Anik Patra	anikpatra.tih@gmail.com	9477154362	O+
4		Susmita Sinha	sinhasusmita725@gmail.com	6289554864	O+
5		Soumita Das	soumitad991@gmail.com	9883760672	B+

5. In the VIEW ALL MEMBERS section Admin can see all the blood requesters.

Spread The Red							
ADMIN		Requester Details					
		SL NO	Profile Picture	Requesters Name	Requesters Email	Requesters Phone	Requesters Blood Group
1		Ruban Pathak	<a href="#">rubanpathak706@gmail.com</a>	6289814242	B+		
2		Soumendra Nath Pathak	<a href="#">soumendranathpathak@gmail.com</a>	7890329221	B+		
3		Susmita Sinha	<a href="#">sinhasusmita725@gmail.com</a>	6289554864	AB		
4		Debjit Debnath	<a href="#">darsonanandam@gmail.com</a>	6289191890	A+		
5		Rayashri Sil	<a href="#">dilipsi3679@gmail.com</a>	8582815145	O-		

## 6. In the VIEW ALL SITE FEEDBACK section Admin can see all the feedbacks.

Spread The Red							
ADMIN		Feedback Details					
		SL NO	Profile Picture	Requesters Name	Requesters Email	Requesters Phone	Requesters Blood Group
1		Ruban Pathak	<a href="#">rubanpathak706@gmail.com</a>	6289814242	B+		
2		Soumendra Nath Pathak	<a href="#">soumendranathpathak@gmail.com</a>	7890329221	B+		
3		Susmita Sinha	<a href="#">sinhasusmita725@gmail.com</a>	6289554864	AB		
4		Debjit Debnath	<a href="#">darsonanandam@gmail.com</a>	6289191890	A+		
5		Rayashri Sil	<a href="#">dilipsi3679@gmail.com</a>	8582815145	O-		

Spread The Red								
ADMIN		Feedback Details						
		SI No	Picture	Requester Name	Picture	Donor Name	Requested Blood	Date And Time
1		Debjit Debnath		Souvik Banerjee		A+	2023-11-05 18:35:00	
2		Susmita Sinha		Souvik Banerjee		A+	2023-11-05 20:05:50	
3		Rayashri Sil		Souvik Banerjee		A+	2023-11-06 06:13:48	
4		Rayashri Sil		Souvik Banerjee		A+	2023-11-06 14:09:01	
5		Soumendra Nath Pathak		Ruban Pathak		B+	2023-11-09 23:12:35	

8. Admin can view their profile through the 'Profile' option.

The screenshot shows the Admin Profile page. On the left, a red sidebar menu lists options: Dashboard, Profile (selected), Edit Profile, Change Password, View All Donors, View All Requesters, and View All Reports. The main content area displays the following information:

- Name:** Ruban Pathak
- Email address:** rubanpathak706@gmail.com
- Phone Number:** 6289814242
- Address:** 28, South Baishnavpara Road Post:- Garifa Dist:- 24 PGS (North)
- Pin Code:** 743166
- Blood Group:** B+
- State:** West Bengal
- City:** Naihati

9. Admin also will be able to edit their basic account details via 'Edit Profile' option.

The screenshot shows the Admin Edit Profile page. The sidebar menu is identical to the previous page. The main content area contains form fields for editing account details:

- Name:** Ruban Pathak
- Email address:** rubanpathak706@gmail.com
- Phone Number:** 6289814242
- Address:** 28, South Baishnavpara Road Post:- Garifa Dist:- 24 PGS (North)
- Pin Code:** 743166
- Blood Group:** B+
- State:** West Bengal
- City:** Naihati
- Example file input:** Choose File | No file chosen

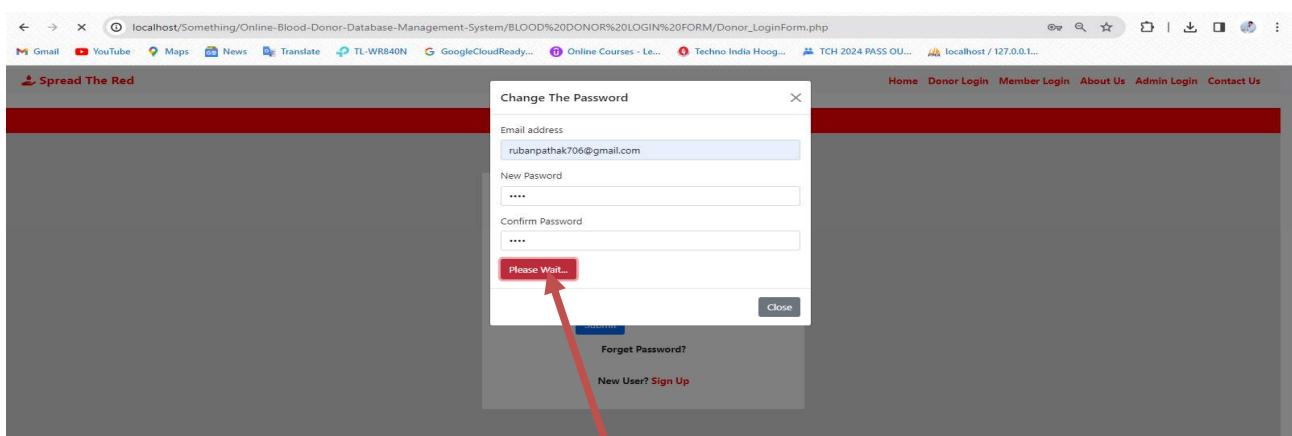
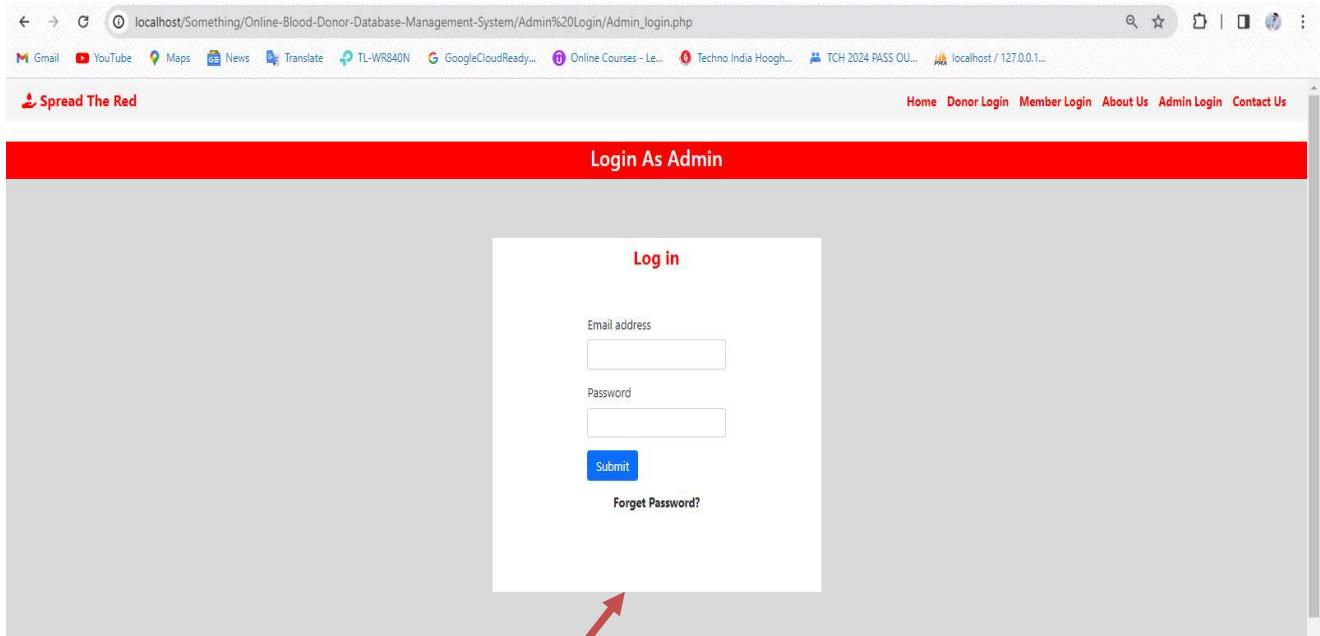
A blue "Save Changes" button is at the bottom.

The screenshot shows the Admin Change Password page. The sidebar menu is identical. The main content area contains three form fields:

- Enter Previous Password:** (input field)
- Enter New Password:** (input field)
- Confirm Password:** (input field)

A blue "Set Password" button is at the bottom.

11. Admin can also change there password from forget password section.



## OBDDMS: Login Email ID Verification



obddms2023@gmail.com  
to rubanpathak706 ▾

Dear User

Your One Time Password (OTP) for changing password: **150524**

Please note that the OTP is valid for only one session. If you try to refresh the page or leave the OBDDMS portal, you will be required to regenerate a new OTP.

If you did not request this OTP, please connect with us immediately at [obddms2023@gmail.com](mailto:obddms2023@gmail.com).

Regards,

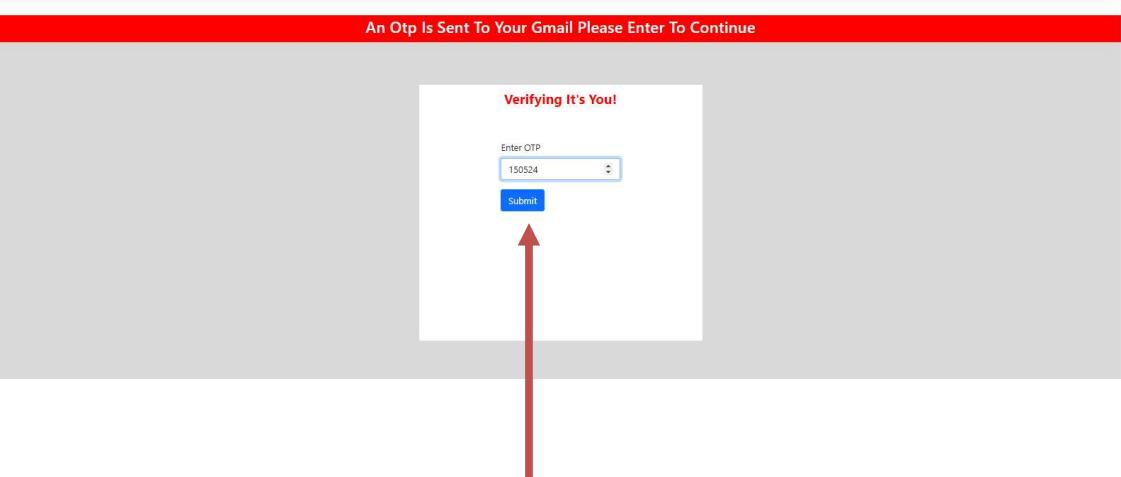
Social Service Group

Online Blood Donors Database Management System

**COPY THIS OTP**



Home Donor Login Member Login About Us Admin Login Contact Us



**PASTE THE OTP AND SUBMIT THE OTP TO CHANGE YOUR PASSWORD**

## **13 . Limitations and future scope:-**

In conclusion, the Software Requirements Specification (SRS) outlines the detailed requirements for an Online Blood Donor's Database Management System. The user interface is designed to provide an engaging experience with a clear navigation structure, motivational quotes, and user-specific login/signup options. The registration process involves verification through email and OTP for both blood donors and blood requesters (members).

The functional requirements cover various aspects, including header, body, footer sections, and specific functionalities for blood donors, blood requesters (members), and the admin. Users can navigate the platform, register, and access features based on their roles. The system ensures security and user verification through OTPs.

For blood donors and requesters (members), specific features are provided post-registration, allowing them to manage their profiles, search for donors, and request blood donations. The eligibility criteria for blood donors are clearly defined, and a contact history feature facilitates communication between donors and requesters.

The admin has a comprehensive set of features in the admin panel, including a dashboard displaying key metrics, the ability to view all donors, requesters, reports, site feedback, and contacted persons. The admin can review reports, issue warnings, and ensure the accuracy and integrity of the platform.

Overall, the SRS provides a detailed blueprint for the development of the Online Blood Donor's Database Management System, emphasizing user-friendly interfaces, secure registration processes, and comprehensive functionalities for donors, requesters (members), and the admin.

## **14 . References:-**

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- [4] Modern PHP: New Features and Good Practices by Josh Lockhart [ Book Published: Released February 2015]
- [5] High Performance MySQL 3rd Edition by Baron Schwartz, Peter Zaitsev, and Vadim Tkachenko [Book Published: March 2012]
- [6] What is a feasibility study? [<https://uk.indeed.com/career-advice/career-development/feasibility-study>]
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- [8] Fundamentals of Software Engineering, 5th Edition by Rajib Mall [ Book Published: 30 November 2018]
- [9] Apache Spark in Action 2nd Edition by Jean-Georges Perrin [ Book Published: June 2, 2020 ]

## **14 . Glossary:-**

1. SRS :- Software Requirement Specification
2. NGO :- Non-Governmental Organization
3. REQ :- Requirement
4. OBDDMS: Online Blood Donor's Database Management System
5. OTP :- One Time Password
6. HTTP :- Hyper Text Transfer Protocol
7. SMTP :- Simple Mail Transfer Protocol
8. D.I :- Diabetes insipidus
9. H.G :- Hyperemesis gravidarum
10. K.G :- Kilogram
11. M.M :- Millimeter
12. NFR :- Non Functional Requirements
13. UX :- User Experience