Life Stream

Online Blood Bank &

Donation Management System

Designed and Developed By

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Semester: 1st

Course No: CSE-3100

Course Title: Web Development Laboratory

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Objectives

1. To learn about web development
2. To learn about HTML, CSS, JS, PHP
3. To learn about front end and backend programming in web development
4. To learn about managing a database for website using PHP and MySQL

Introduction

Life Stream is a website designed for managing a Blood Bank, handle request of the customers and keep record of Donors. It allows a user(client) to see the amount of blood stored in our blood bank. User(client) can make request for blood supply though this web site. They can choose the nearest camp to receive blood. The donor can register and see their donation record from this website. Agents of Life Stream handles the request of clients and keep record of donors.

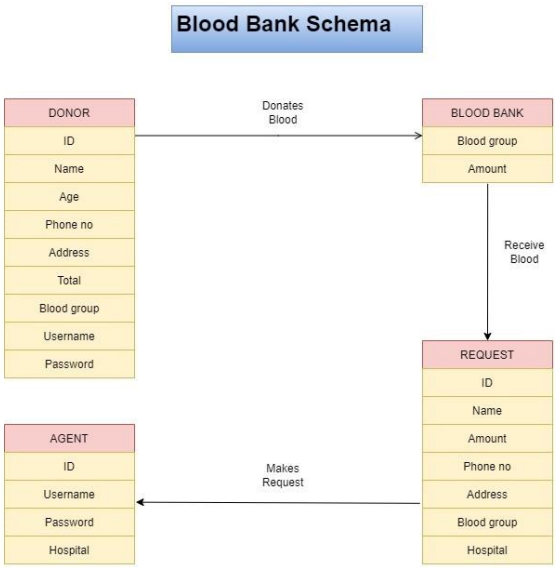
Language Used

1. HTML
2. CSS
3. JS
4. PHP
5. MySQL

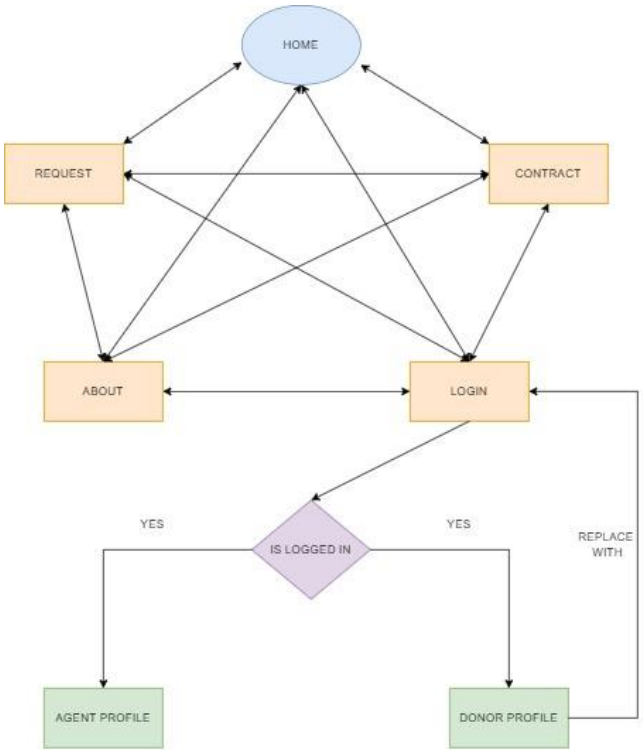
Software Used for Development

1. Browser: Google Chrome
2. Editor: Visual Studio Code (IDE)
3. Server: XAMPP

Schema



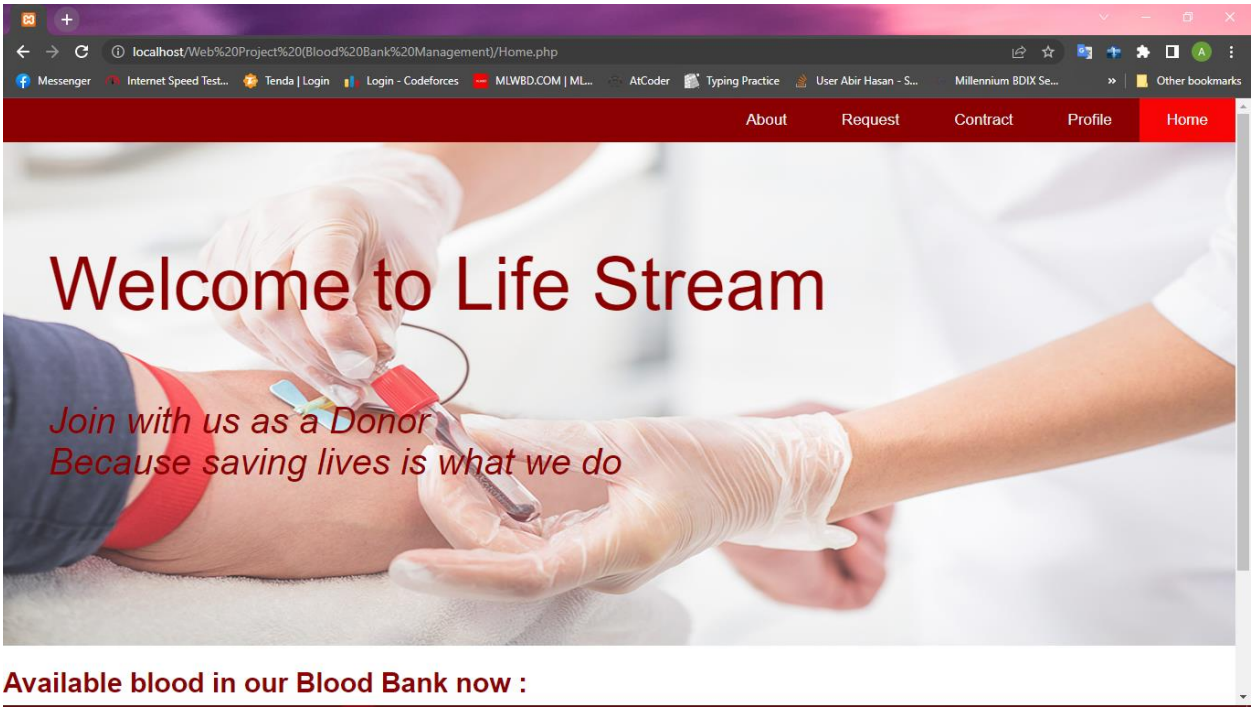
Flow Chart



Web Site Pages

Home Page

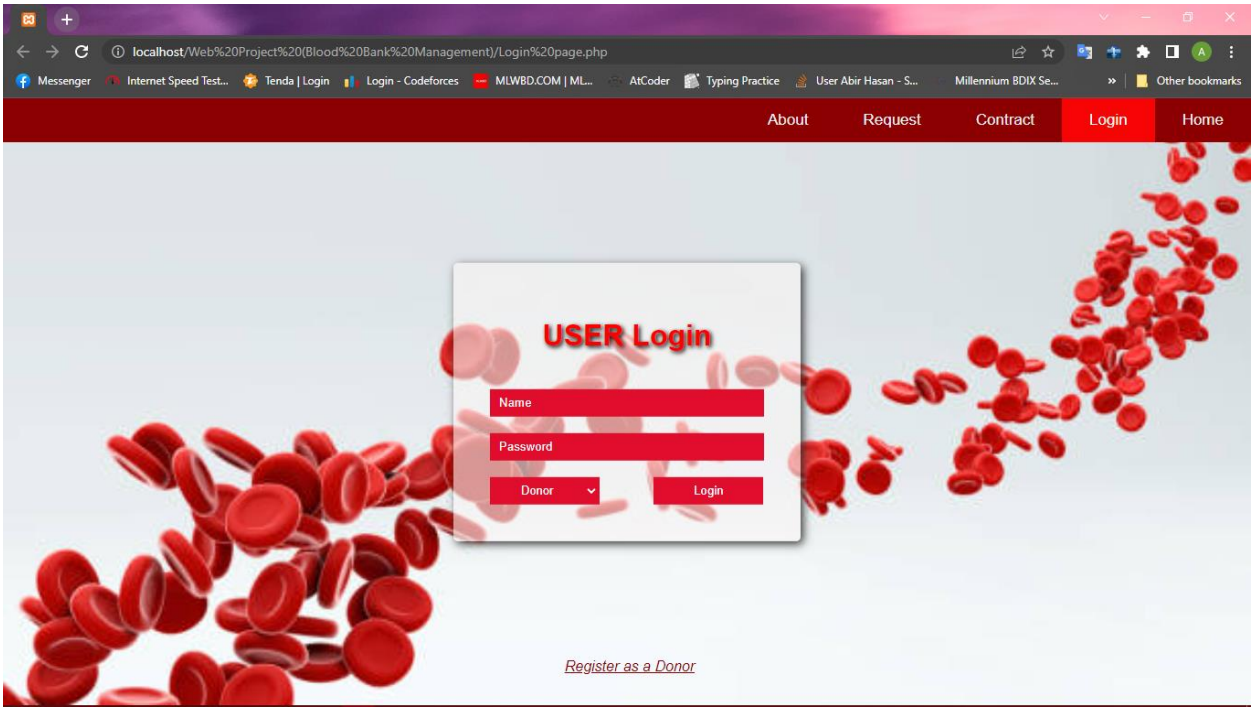
Home page is the welcome page for the users of the website. It contains some information of about the website, health tips, benefits of donation, amount of blood stored in the blood bank.



Login Page

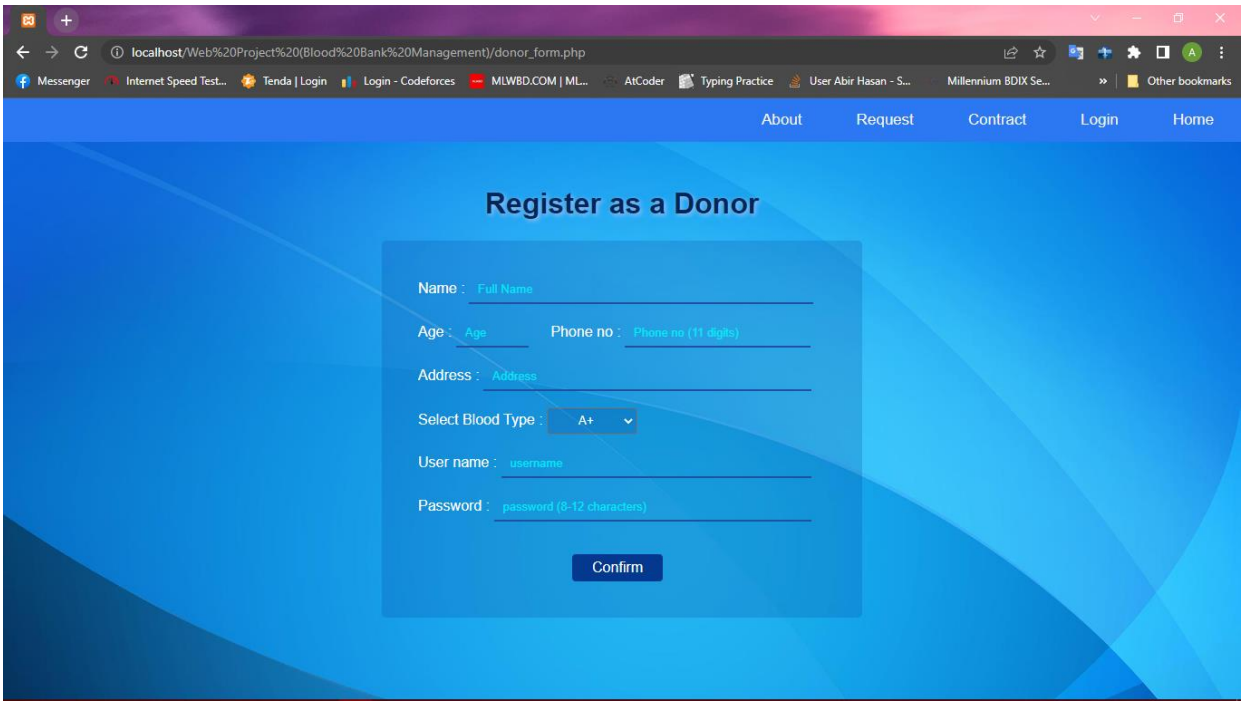
Login page contains the login form for the Agents and Donors. Logging as donor directs donors to donor profile page where they can see their information. Logging as agent directs agents to agent profile page where they can see request for blood supply in their camp and insert donation

record of the donors. It also contains a link for registration for the new donors which directs the them to the donor registration page.



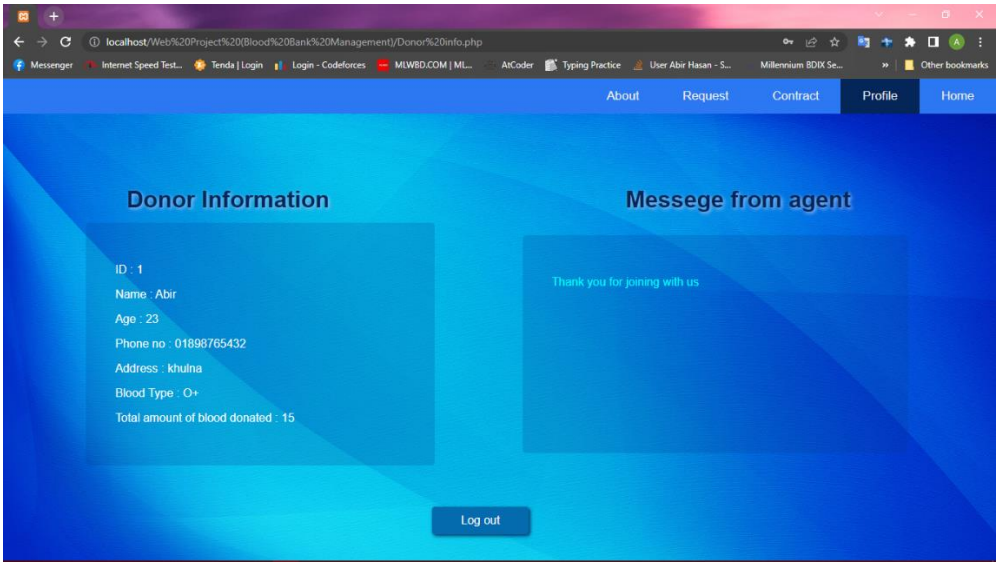
Donor Registration Page

In this page, new donors can register a donor for Life Stream by inserting valid information.



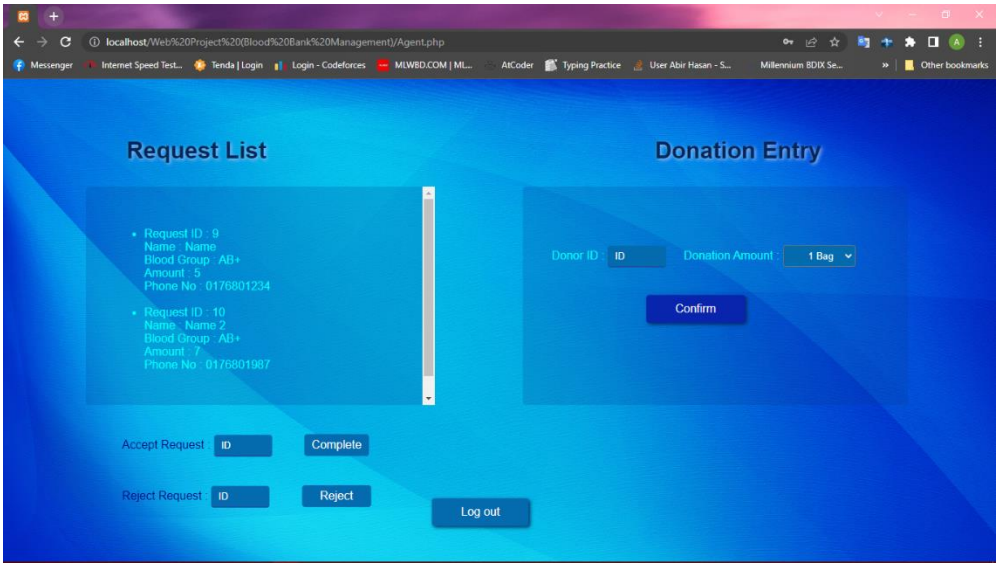
Donor Profile Page

Here donors can see their personal information, total amount of donated blood. Also they can see message from Agents. There is a logout button so that they can logout from the website.



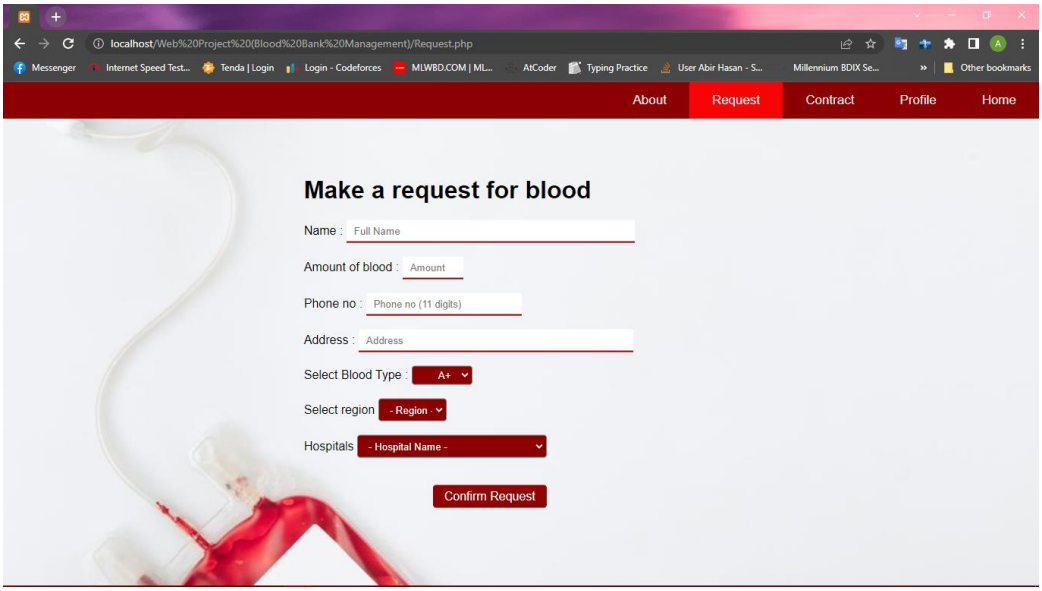
Agent Profile Page

From agent profile page, agents can accept or decline request of the clients and also insert donor donation into blood bank.



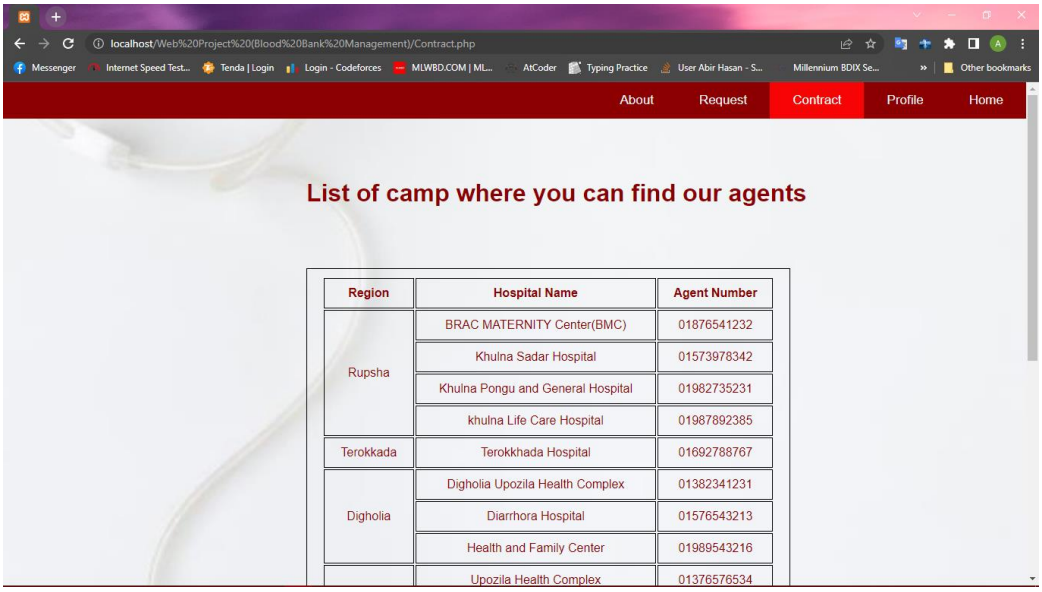
Request Page

Request Page if for the clients to make request for blood supply through proper data input and select nearest camp.



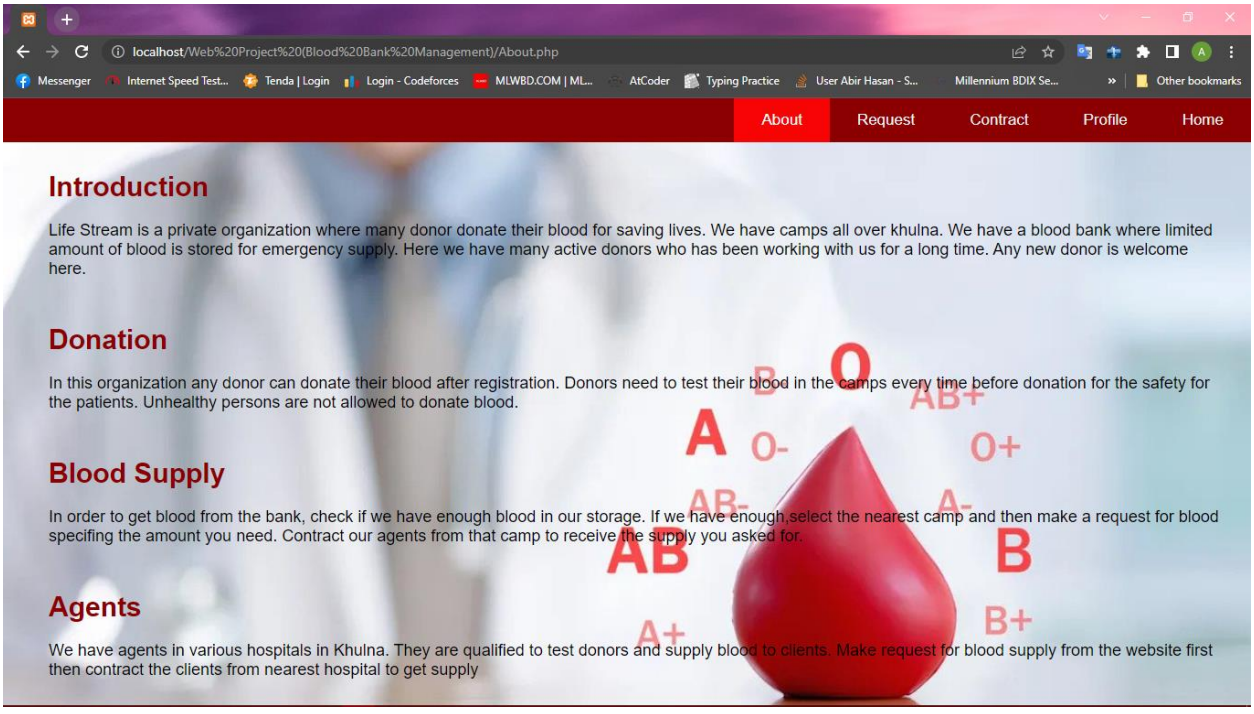
Contract Page

Here, users can see the camps where we have agents to interact with clients and donors.



About Page

In the about page, users can learn about Life Stream.



Target vs Achievement

I almost achieved all the targets for this website. I wanted to make the Home page look even better but I didn't get enough time. More features could be added but operation in server side was very complex .

Risk and Issues

The only problem is the clients can make request with fake information and make trouble for the agents and they can repeat request. Solving this problem is much hard.

Discussion and Conclusion

My main goal was to make a web site through which donors can register and see their information. Clients can easily make request and contract agents to get supply. Agents can easily handle request and inset donor donation info to database. It was hard to manage the server side. The most time consuming part was to design the website.

References

1. https://www.w3schools.com
2. https://stackoverflow.com
3. https://www.youtube.com