

MINI PROJECT

(2021-22)

Online Blood Bank Management System (Rakt Sanagrahalay)

Mid-Term Progress Report



Institute of Engineering & Technology

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Abstract

- ✚ The main goal of the ***RaktSangrahalay*** (Online Blood Bank System) project is to monitor Blood Bank data, Blood cells, Blood stock, Donor List. It manages all the Blood Bank, Donor, Blood stock data. The project is entirely administrative and therefore access is guaranteed only to the administrator.
- ✚ The project's aim is to develop a website to minimize the manual work for Blood Bank, Donor, Blood Group management. It monitors all of the Blood Group information, Blood cells, Blood supply and Donor list.
- ✚ After the implementation of the project, the blood searching process is expected to be faster, easier, and reliable. Admin will view the donor side and view the available blood requested by the users.

Introduction

1.1 General Introduction to the topic:-

This project was undertaken in response to the need for searching blood banks/blood donors in the user required location in Uttar Pradesh for the ease of taking medication within short interval of time. The team addressed this problem by investigating the scenario of medical convenience nowadays. So, this project not only provides the location of hospitals/blood banks/blood donors in required area but also provides:

- *The people in need of blood can search for the donors by giving their blood group and city name. It saves time as he can search donors online without going anywhere.*
- *Using this system user can get blood in time and can save his relative or friend life. Our website work 24x7 so user can get information of blood donor any time. Blood donor can also get registered and save life of other person.*
- *The main benefit of this system is the information of available blood group. When blood is need in the operation then people have very less time to get the blood available so if he get the information like who can give him blood in time in his city is life saving. And here our system work, whenever a person need blood he get information of the person who has the same blood group he needs.*

Need for Health Care Website :-

All of the blood received at the blood donation events must be managed thoroughly and systematically to avoid patient who need the blood infected by any viruses or diseases. “**RaktSangrahalay**” (Online Blood Bank System) is a web-based system that can assists the information of blood bag during its handling in the blood bank.

Key Features:-

- * Clean and simple designing with easynavigation
- * MobileCompatible
- * RobustWebsite
- * DigitalAccessibility
- * High QualityImagery
- * Secure CommunicationChannels

1.2 Area of Computer Science :-

Computer Science addresses both human-made and natural information processes, such as communication, control, perception, learning and intelligence. Here in the project the area of computer science is "Health and Wellness". The project aims to synthesize goal-oriented processes such as problem solving, decision making, and communication and to solve time consuming tasks.

Health and Wellness sector is growing very fast day by day, According to Deloitte Services and Center for health solutions: "There are huge opportunities in this area through technology and behavioral economics and design elements.

Here are some of the most popular applications of "Health & Wellness" being explored today.

- 1.) QSS Technosoft
- 2.) Peerbits
- 3.) Octal Software
- 4.) Appinventiv
- 5.) OpenXcell
- 6.)Eeinvently

1.3 Hardware Required:-

- Personal computer with internetconnection
- i3 Processor Based Computer orHigher
- Memory: 4 GB RAM(Minimum)
- Hard Drive: 5GB(Minimum)
- Active Internet connection provider Wi-FiModule

Software Requirements:-

- Windows 10 or aboveversions
- Visual StudioCode
- WebBrowsers

2. ProblemDefinition:-

Almost millions of people miss their urgent medication and medical appointments every year due to a lack of reliable data and knowledge of different hospitals, blood banks and blood donors. To address this challenge, we need to improve healthcare access and quality for Medicare recipients. So, to overcome this problem we need an application through which user can fetch each and every details regarding treatment via their digital devices. There is a dire need of synchronization between the blood donors and hospitals and the blood banks. Improper management of blood **leads to wastage of the available blood inventory**. Improper communication and synchronization between the blood banks and hospitals leads to wastageofthebloodavailable.

3. Objectives:-

Objective is to deliver the project which will improve the quality of Blood Management System. It is a hope to leverage ease of convenience for medication for everyone.

Methodology

Project Research:-

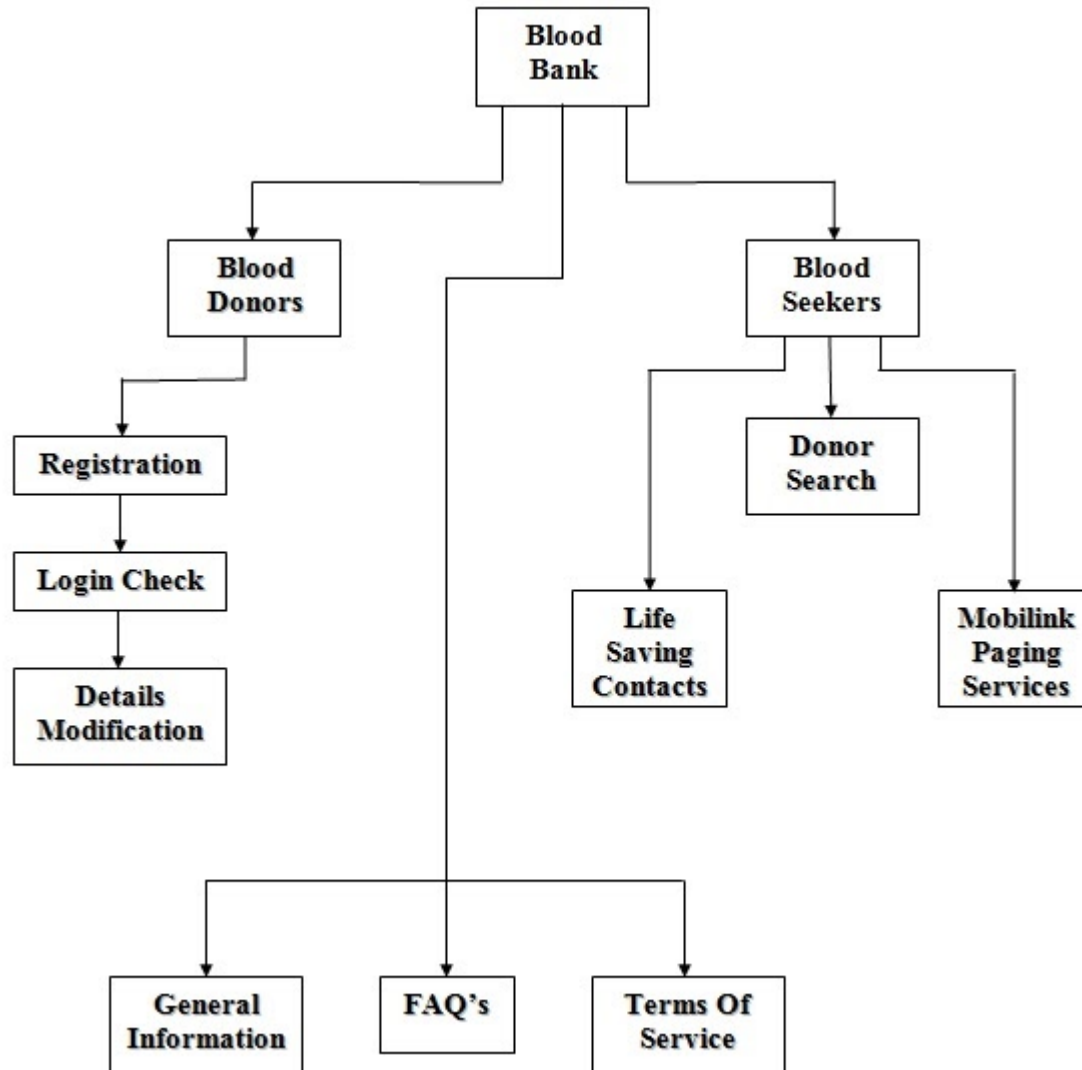
The implementation, understanding and testing stage are primarily the most important part because we analyze here and set the road ahead for the entire project.

Firstly, we understand the process of how our web pages are going to work for which we're creating a website and generate ideas for how its structure and flow should appear and function.

Methodology is same for hospitals, blood banks, blood donors but it is different for users. Users don't need to sign up to fetch the details, he/she can easily specify the required location to fetch the details or to make appointment while hospitals, blood banks and blood donors need to sign up once, while signing up they can provide information and after signing up they can login to update details and make appointments for users.

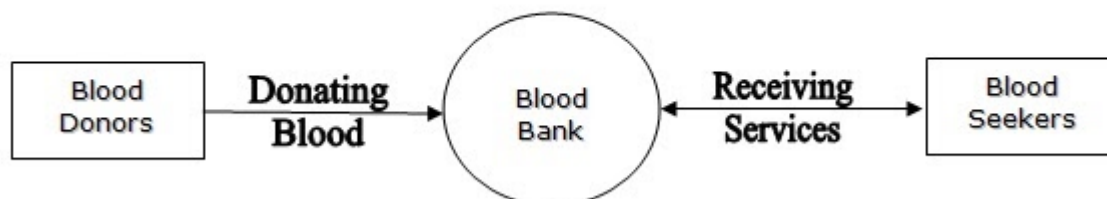
Software Design And Structure

System - Flow Diagram:



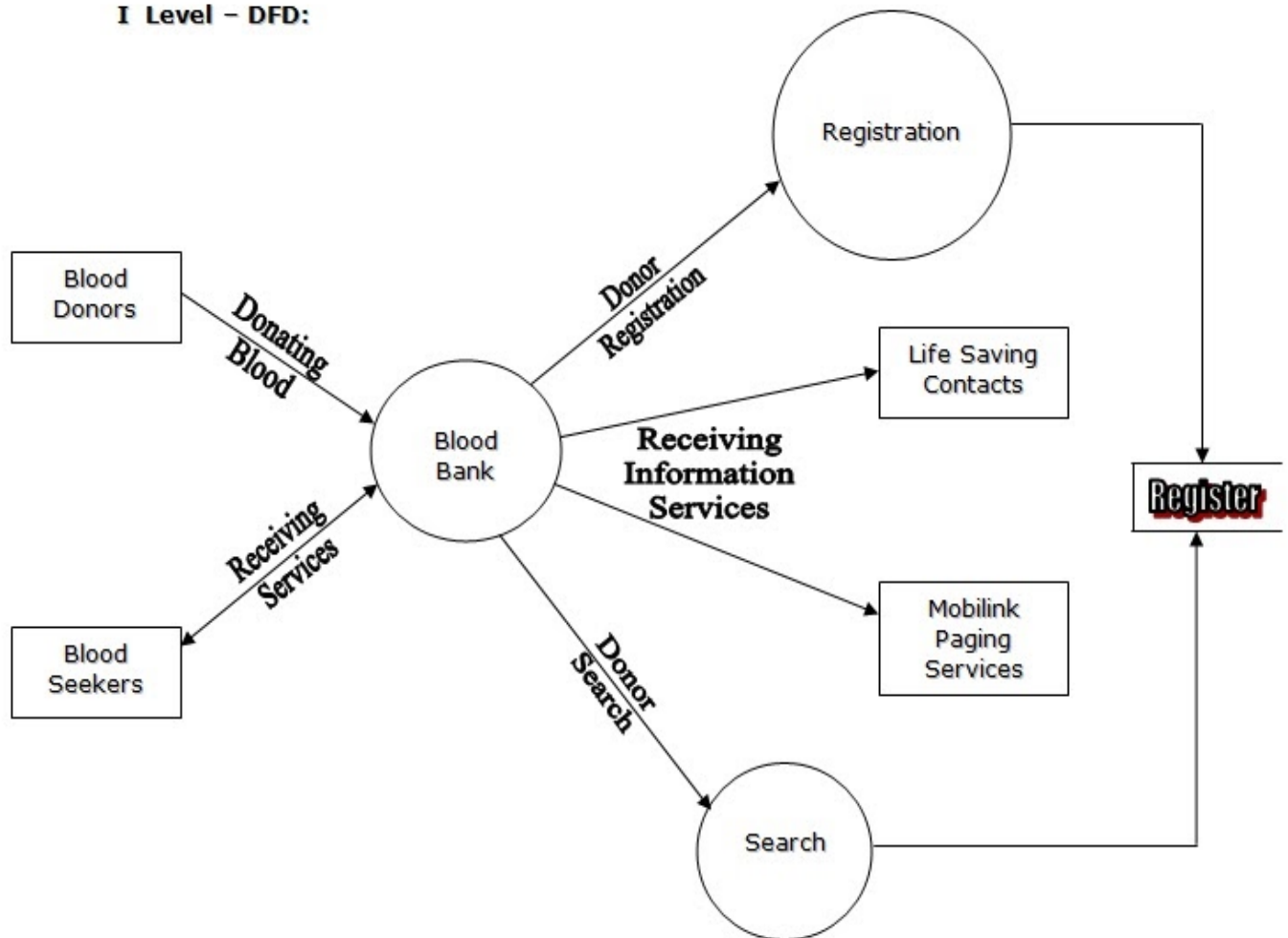
CONTEXT LEVEL DFD:-

Context Level - DFD:

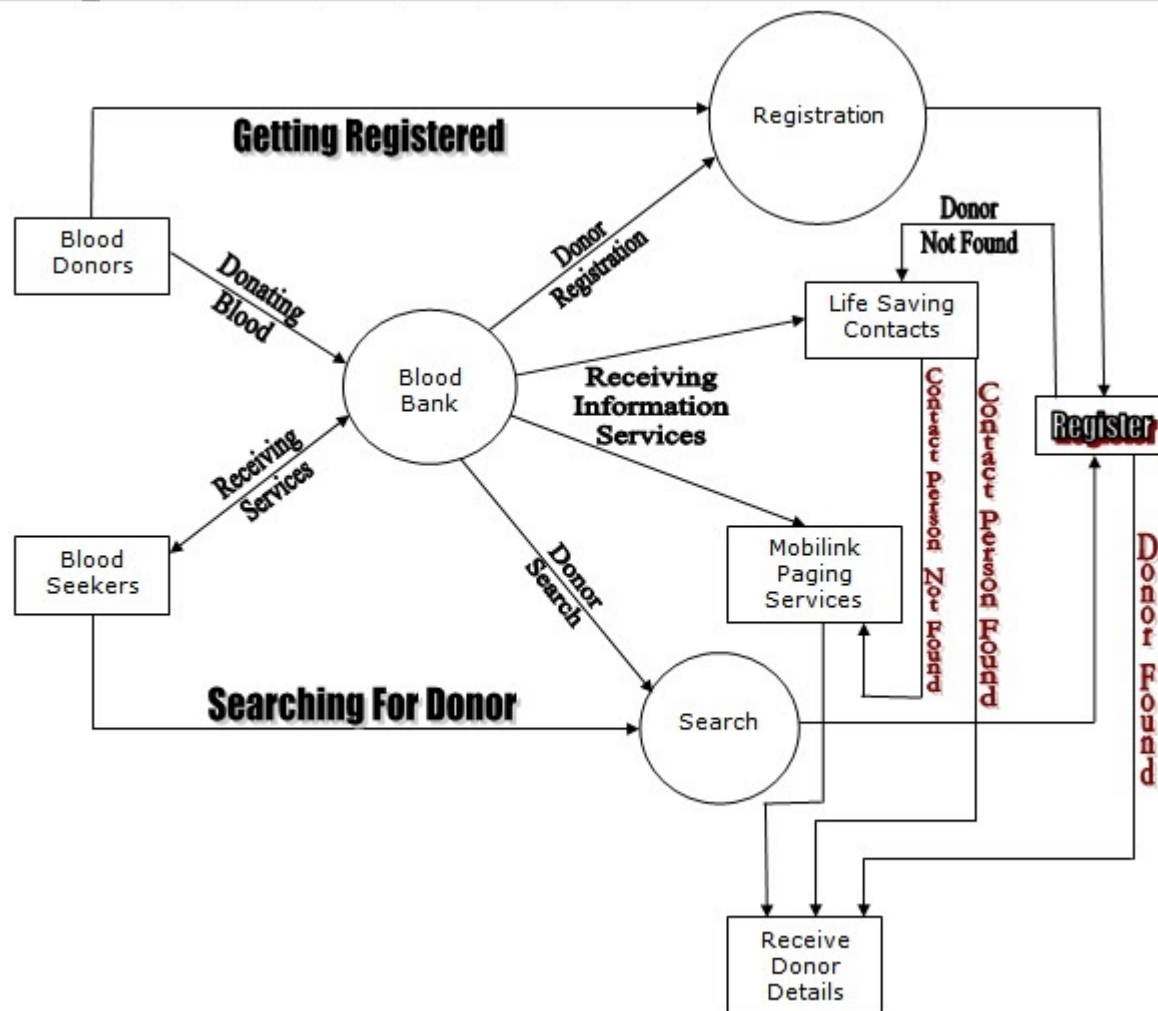


LEVEL-1 DFD:

I Level - DFD:



LEVEL-2 DFD



This pictorial representation shows the basic flow of our webpages for users searching information of hospitals, blood banks and blood donors on our website.

4. ImplementationDetails:-

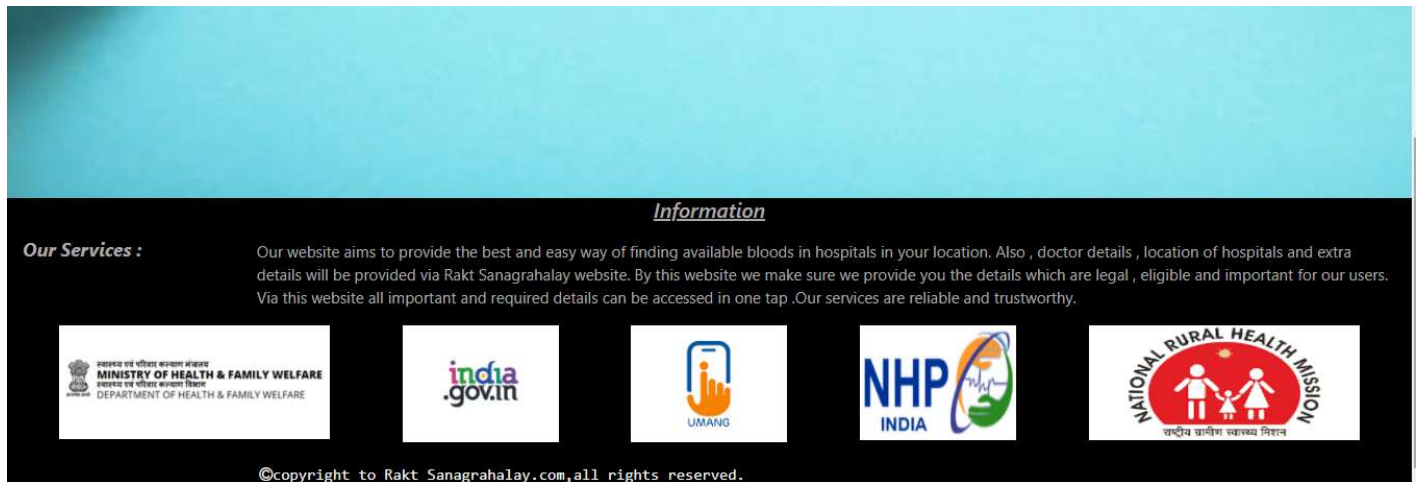
4.1 Description

- To implement homepages in an efficient way
- To enable users to add their details in website
- To enable users to maintain and update their details (i.e. username, password) complete login/sign-up process
- To enable on-click search of nearby hospitals and blood banks.
- To implement on-click covid-19 updates.

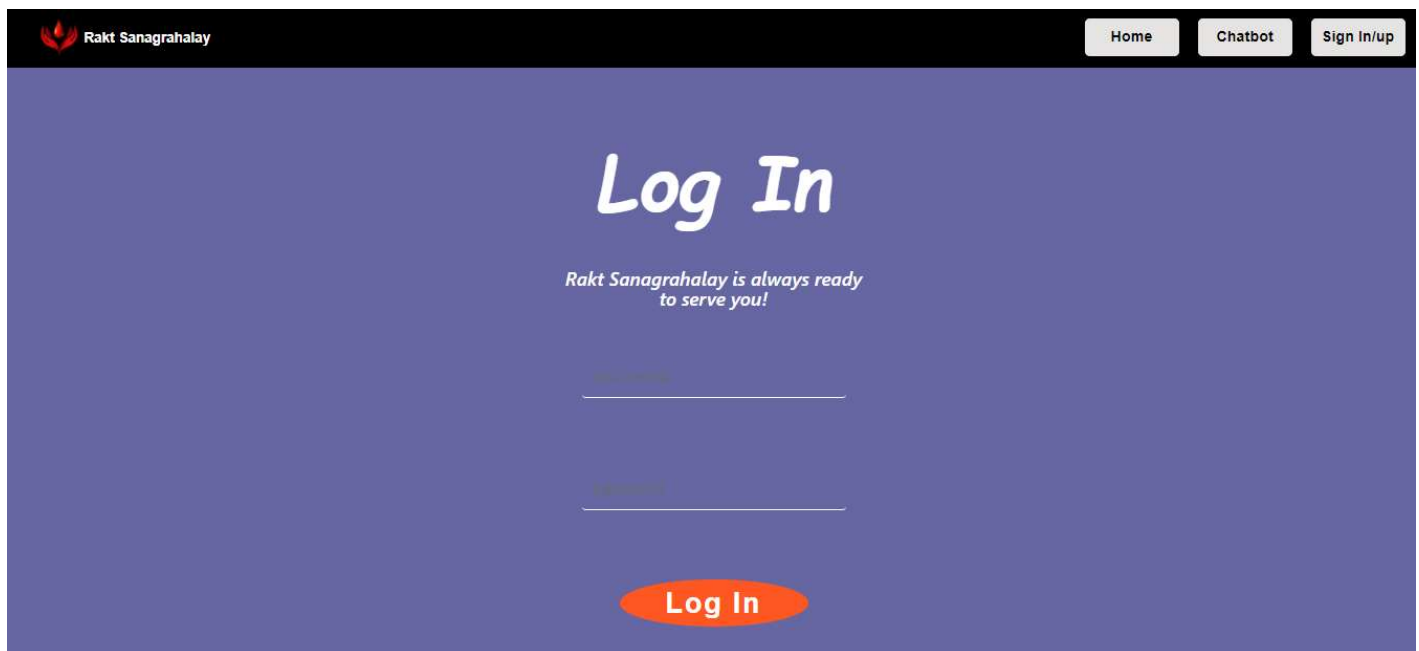
4.2 Description Regarding Software

1. Start Panel - This is the home page of our web.

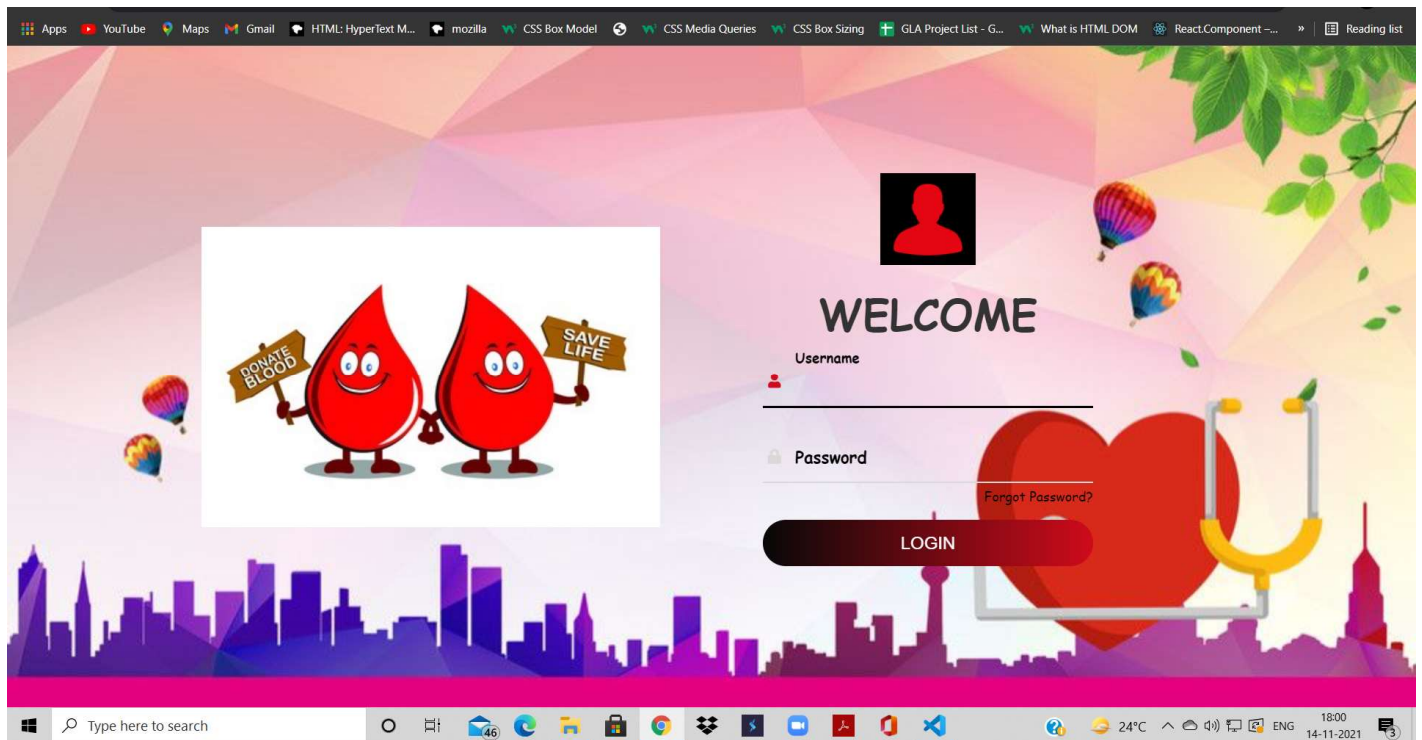




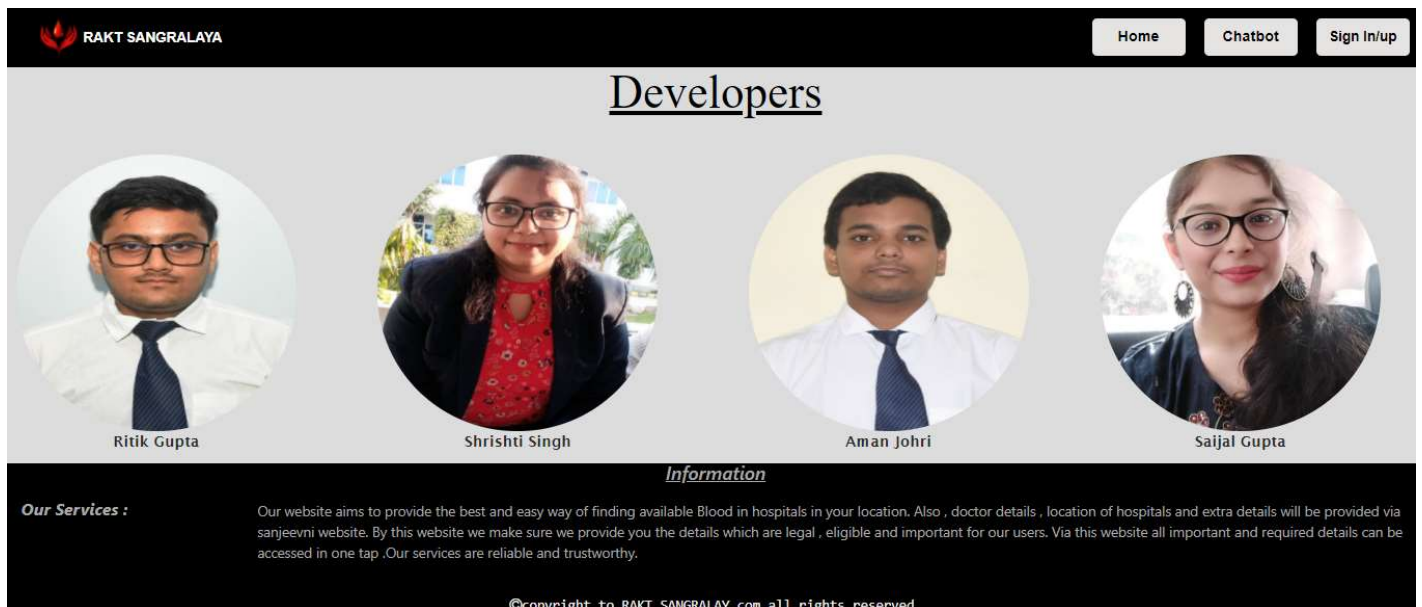
2.This is login page of ourweb.



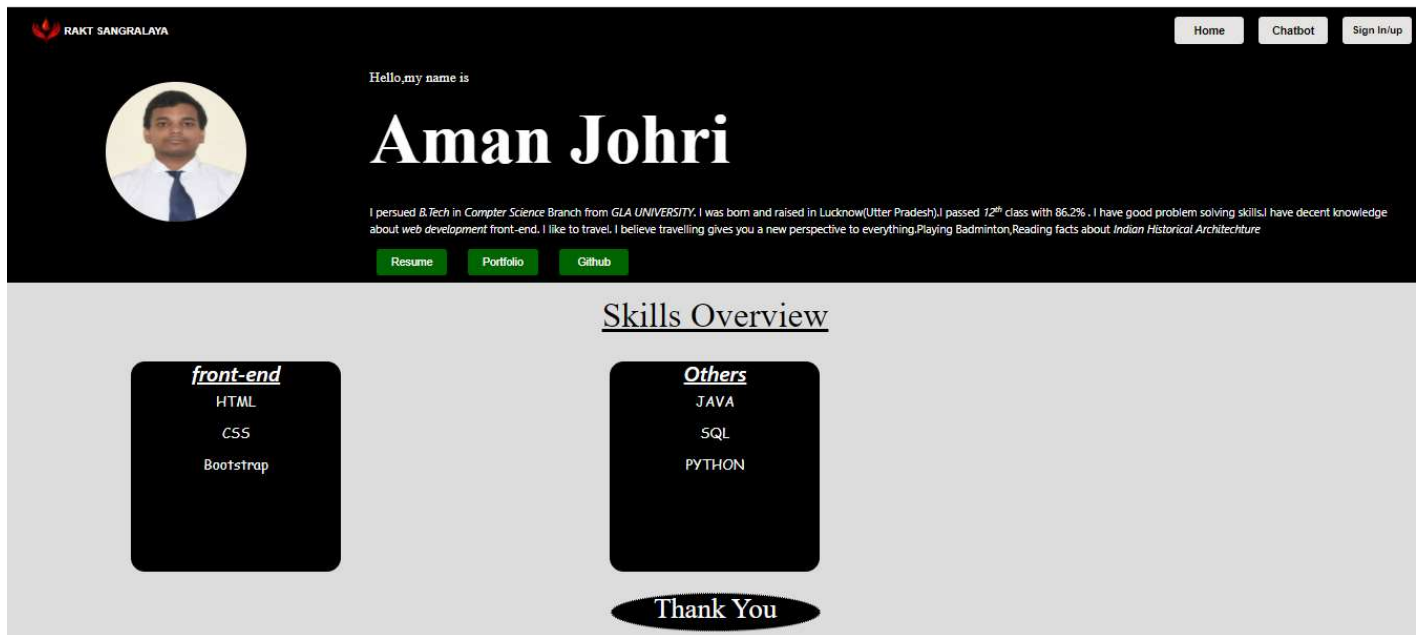
3.This is admin page of ourweb.



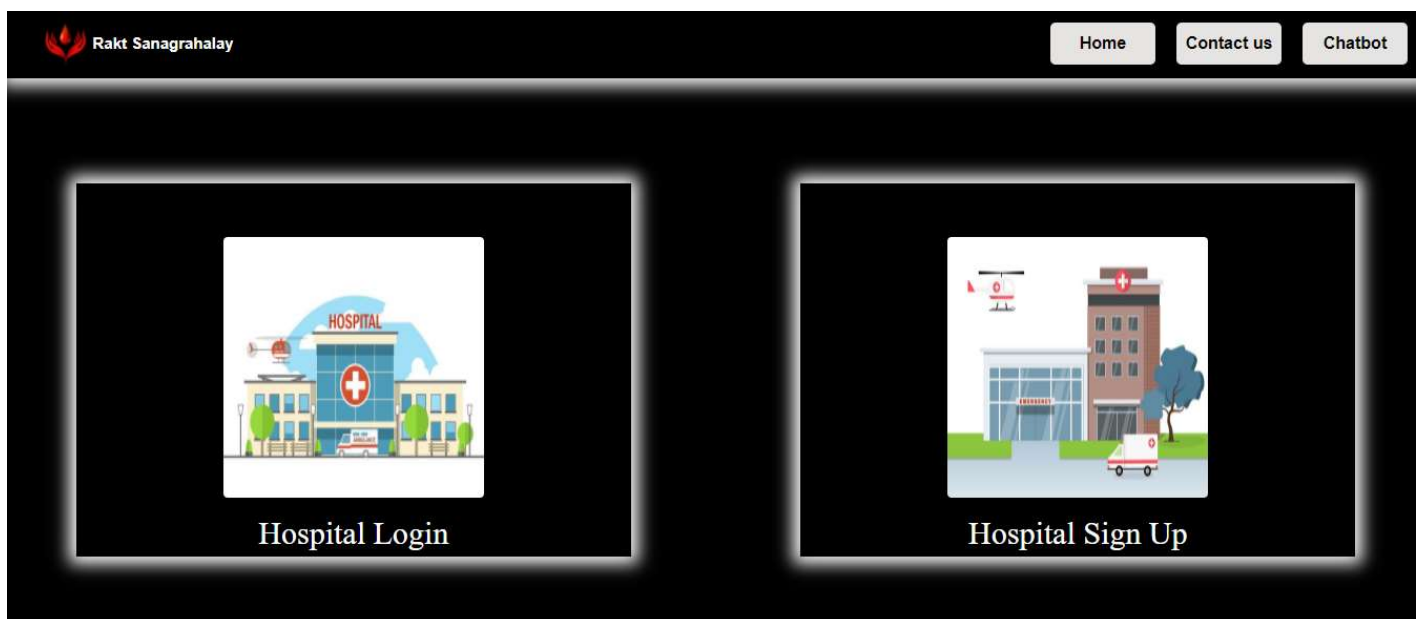
4.This is developer page of ourweb.



5. One Page of Developer Section

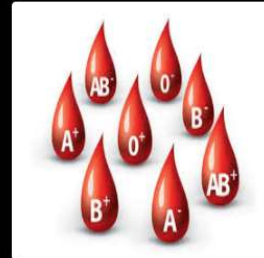


6. This is signin/signup page of ourweb.





Blood Bank Login



Blood Bank Signup



Blood Donor Login




Blood Donor Signup

Information

Our Services :

Our website aims to provide the best and easy way of finding available Blood in hospitals in your location. Also , doctor details , location of hospitals and extra details will be provided via sanjeevni website. By this website we make sure we provide you the details which are legal , eligible and important for our users. Via this website all important and required details can be accessed in one tap .Our services are reliable and trustworthy.

7. This is blood bank signup page of our web.

 Rakt Sanagralalay

HomeChatbotSign In/up

Blood Bank Sign up

Rakt Sanagralalay is always ready to serve you!

Email

Make Password

Blood Bank Name

Blood Bank Address

Select Country

Select State

Select district

Blood Bank Phone Number

A+ Blood Group

A- Blood Group

B+ Blood Group ▼

B- Blood Group ▼

AB+ Blood Group ▼

AB- Blood Group ▼

O+ Blood Group ▼

O- Blood Group ▼

sign up

8. This is contact us page of ourweb.

Rakt Sangrahalay

Contact

Send us a Message

Full Name:

Phone Number:

Email Address:

Message:

Contact Details

Address :
119,pragati House, Budhwar Peth,
Pune(Maharashtra)

Contact Number :
406-5601-9845

Email:
raktsangrahalay@gmail.com

Apps YouTube Maps Gmail HTML: HyperText M... mozilla CSS Box Model CSS Media Queries CSS Box Sizing GLA Project List - G... What is HTML DOM React.Component -... Reading list

Send us a Message

Rakt Sangrahalay

Name:

Phone Number:

Email Address:

Message:

[Send Message](#)

Contact Details

Address:
119,pragati House, Budhwar Peth,
Pune(Maharashtra)

Contact Number :
406-5601-9845

Email:
raktsangrahalay@gmail.com

Type here to search

17°C

ENG

02:18

15-11-2021

9. ChatBot of ourweb

Rakt Sanagrahalay Home

Hello,I Am Rakt Sanagrahalay Query Bot

Say 'HELLO' For Start

[TYPE YOUR ANSWER HERE](#)

Project Links:-

>> Repository link:

https://aman-johri.github.io/Mini_Project-/

5 Progress till date & The remaining work:-

Till now our project Home page, Admin page, developer page, signin/signup page, login page , contact us page and blood bank signup page i.e. almost complete front -end work has been developed.

Currently, database work including back-end login/sign-up, data implementation on the district page, final cover up with testing phase of our project, Blood bank acceptors and donors data list web pages has been left.

6 References:-

- **Wikipedia:** "Computersciences" redirectshere https://en.wikipedia.org/wiki/Computer_science#:~:text=In%20addition%20to%20these%20four,systems%2C%20and%20numerical%20and%20symbolic
- **TUTORIAL:** "Website front-end css tutorial link" redirectshere <https://www.w3schools.com/css/>

