PLASMA DONOR APPLICATION

DOMAIN:

CLOUD APPLICATION DEVELOPMENT

TEAM MEMBERS:

- S.PRIYANKA
- R.B.GAYATHIRI
- B.HARINI
- D.SUSHMITHA SINGH

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1.INTRODUCTION

1.1 OVERVIEW:

The application to help the plasma blood needy and donor also for blood banks who are searching for plasma blood at any situation. Also this application promotes plasma blood donation by some task inside the website. Also this application contain brief explanation on blood convert to plasma blood is greatly to help public to promote to donate.

PURPOSE:

This application contains a brief explanation on blood convert to plasma blood to help the public to promote donating. The user interacts with the application. Registers by giving the details as a donor. The database will have all the details and if a user posts a request then the concerned blood group donors will get notified about it

One can donate plasma only if:

- be able to spare just over an hour to donate
- be between the ages of 17 and 66
- weight at least 50kg or 110 pounds
- must pass an medical examination
- follow a recommended diet including 50 to 80 grams of daily proteins

1.2 PROBLEM STATEMENT

During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request. As we develop plasma donor application for finding the plasma donor who is willing to donate their blood. Here the problem faced by the donor and the recipient can be bridged by using our Plasma donor application which collects the necessary data from the donor and make them available to the recipients

Problem Statement (PS)	I am (Customer)	I'm trying to But Because Which makes me feel	But	Because	Which makes me feel
PS-1	Recipient	To get plasma	It takes much time and hard to find	Finding Plasma donor is not easy	Frustrated
PS-2	Donor	To donate the	It takes much	Finding the	Irritated

		plasma	time and hard to find	required blood group recipient is difficult	

2. LITERATURE SURVEY

2.1. EXISTING PROBLEM

INSTANT PLASMA DONOR RECIPIENT CONNECTOR WEB APPLICATION

  The world is suffering from the COVID 19 crisis and no vaccine has been found yet.. But there is another scientific way in which we can help reduce mortality or help people affected by COVID19 by donating plasma from recovered patients. In the absence of an approved antiviral treatment plan for a fatal COVID19 infection, plasma therapy is an experimental approach to treat COVID19-positive patients and help them faster recovery. Therapy is considered competent. In the recommendation system, the donor who wants to donate plasma can donate by uploading their COVID19 certificate and the blood bank can see the donors who have uploaded the certificate and they can make a request to the donor and the hospital can register/login and search for the necessary things. plasma from a blood bank and they can request a blood bank and obtain plasma from the blood bank.

  The main goal of the project is to design a user-friendly web application that is like a scientific vehicle from which can help reduce mortality or help those affected by COVID19 by donating plasma from patients who have recovered without approved antiretroviral therapy planning for a deadly COVID19 infection, plasma therapy is an experimental approach to treat those COVID-positive patients and help them recover faster. Therapy, which is considered reliable and safe. If a particular person has fully recovered from COVID19, they are eligible to donate their plasma. As we all know, the traditional methods of finding plasma, one has to find out for oneself by looking at hospital records and contacting donors have been recovered, sometimes may not be available at home and move to other places. In this type of scenario, the health of those who are sick becomes disastrous. Therefore, it is not considered a rapid process to find plasma. The main purpose of the proposed system, the donor who wants to donate plasma can simply upload their covid-19 traced certificate and can donate the plasma to the blood bank, the blood bank can apply for the donor and once the donor has accepted the request, the blood bank can add the units they need and the hospital can also send the request to the blood bank that urgently needs the plasma for the patient and can take the plasma from the blood bank.

BLOODR: BLOOD DONOR AND REQUESTER MOBILE APPLICATION

  Conventionally, when a patient needs blood, he/she has to contact a blood bank or a compatible blood group of a donor in their circle, family, and friends. However, it is difficult to find suitable donor within a limited group of people in a given time. In addition, there is no guarantee that blood banks will have compatible blood group in stock. There is also steady increase in blood donation requests posts in social networking sites (like Facebook, twitter, Instagram, etc.) requesting for donation.

  Ease of access, requirements of blood, and the blood donation statistics are taken into consideration while researching the topic. There is a steady need for blood and blood components (red blood cells, blood plasma, platelets). Every minute of every day someone is in need for blood, however as e.g., in Canada, only 1

in 60 Canadians gave blood last year, when almost 1 of every 2 Canadians is eligible to donate. 52% of Canadians say they or a family member have needed blood or blood products. The blood donation rate in high-income countries is 33.1 donations per 1,000 people; 11.7 donations in middle-income countries and 4.6 donations in low-income countries .As a result, finding blood donor is becoming very difficult in almost every country.

BLOODR application can resolve these issues by connecting patients promptly with a large pool of donors in the same region via an authorized clinic. When a patient needs a blood donation, the clinic (where the patient is admitted) can use the application to contact the blood donors in the vicinity or nearby city based on their location. The registered donors will get notification about the blood donation needed at a specific clinic where they can go and donate.

BLOODR application provides donors with functionalities including "blood request feed", "donation history", "invite friend", and "book an appointment" (with the clinic to donate blood), at the same time the requester (aka clinic) can send requests and use this application to maintain the different blood donation activities.

NEVON INSTANT PLASMA DONOR RECIPIENT CONNECTOR

This system is used if anyone needs a Plasma Donor. This system comprises of Admin and User where both can request for a Plasma. In this system there is something called an active user, which means the user is an Active member of the App and has recovered from Covid 19, only such people are recommended here for Plasma Donation. Both parties can Accept or Reject the request.User has to Upload a Covid Negative report to be able to Donate Plasma.

The system comprises of 2 major modules with their sub-modules.

Admin can login into his account using id and password. Admin can view all active users. Admin can raise request for plasma donation to an Active User. Admin can accept or reject donor requests on basis of user report.

User can register using personal details. User can login into his account using email id and password. Request for Plasma when User can raise request for plasma donation. User need to upload their report of been successfully recovered from COVID19.For Emergency Request user can raise request for plasma in emergencies.

This application already filters the Active Members. Here a User can be a giver as well as a borrower. This system proposed here aims at connecting the donors & the patients by an online application. By using this application, the users can either raise a request for plasma donation or required.

The Limitations of this application include the following criteria. Inputs will affect the project outputs. Internet Connection is mandatory. Reports are not Verified.

BLOOD DONATION APPLICATION USING ANDROID SMARTPHONE

Blood is an important constituent of human body. Timely availability of quality blood is a crucial requirement for sustaining the healthcare services. In the hospital, in most of the cases, when blood is required, could not be provided on time causing unpleasant things. Though donor is available in the hospital, patient is unaware of it, and so is donor. To resolve this, a communication between hospital, blood bank, donor, and receptor is important.

The system listed with following forecasting on price variations and stock handling, increase in number of blood type, increase in human accident Infrastructure, blood on various category to be managed. So we solve the problem using the android application. The system will make sure that in case of need, the blood will be made available to the patient. There will be android app to make this communication faster. It aims to create an information about the donor and organization that are related to donating the blood. The methodology used to build this system uses GPS. The Proposed system will be used in Blood banks, Hospitals, for Donors and Requester whoever registers to the system.

Blood Donation System is an android based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and helps them to manage in a better way. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective document is a template

2.2 REFERENCES

• INSTANT PLASMA DONOR RECIPIENTCONNECTOR WEBAPPLICATION
Author: Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala, Sanjay Mallisetti
Published on: Volume:04/Issue:06/June-2022

https://www.irjmets.com/uploadedfiles/paper//issue_6_june_2022/26076/final/fin_irjmets1655361213.pdf

BLOODR: BLOOD DONOR AND REQUESTER MOBILE APPLICATION
Author: Vamsi Krishna Tatikonda
https://pubmed.ncbi.nlm.nih.gov/29184892/

• NEVON INSTANT PLASMA DONOR RECIPIENT CONNECTOR
https://nevonprojects.com/instant-plasma-donor-recipient-connector-android-app/

• BLOOD DONATION APPLICATION USING ANDROID SMARTPHONE
Author: Muhammad Fahim; Halil Ibrahim Cebe; Jawad Rasheed; Farzad Kiani Published on: 18 August 2016

https://ieeexplore.ieee.org/document/7543997

2.3 PROBLEM STATEMENT DEFINITION

During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be

a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request.

3. IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS:

3.2 IDEATION & BRAINSTORMING:

LEAD-PriyankaS

Member 1- GayathiriRB

GROUP IDEAS

IDEA PRIORITIZATION

Member2- HariniB

SushmithasinghD

3.3 PROPOSED SOLUTION:

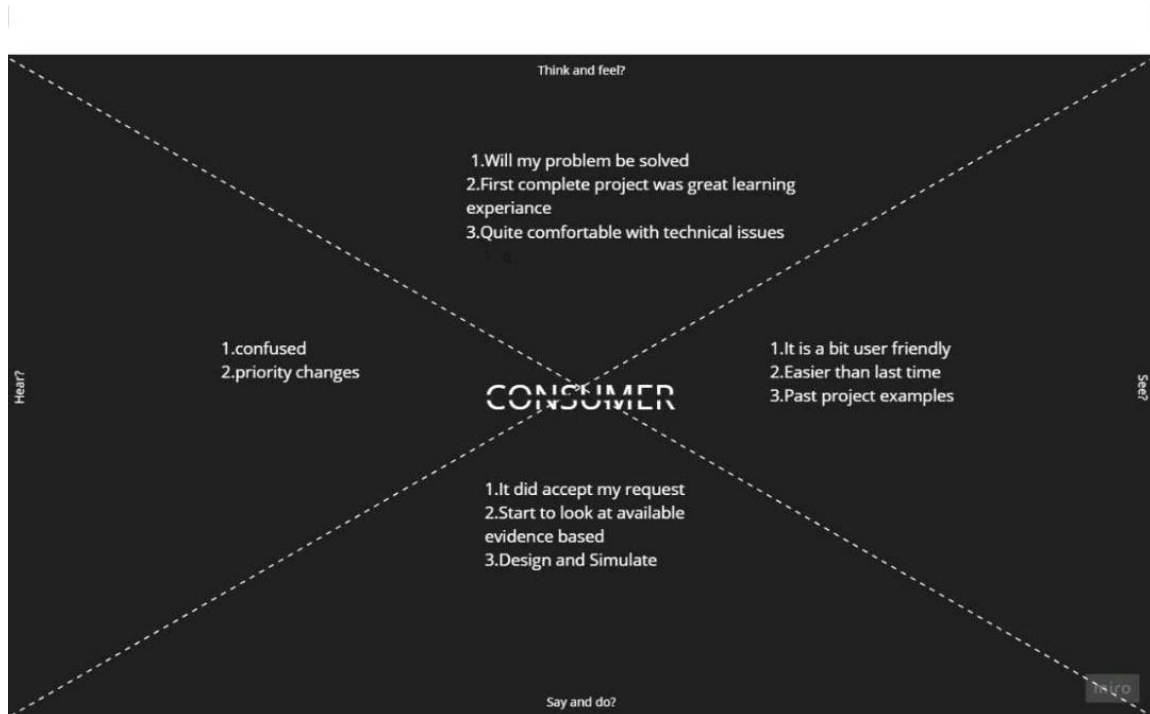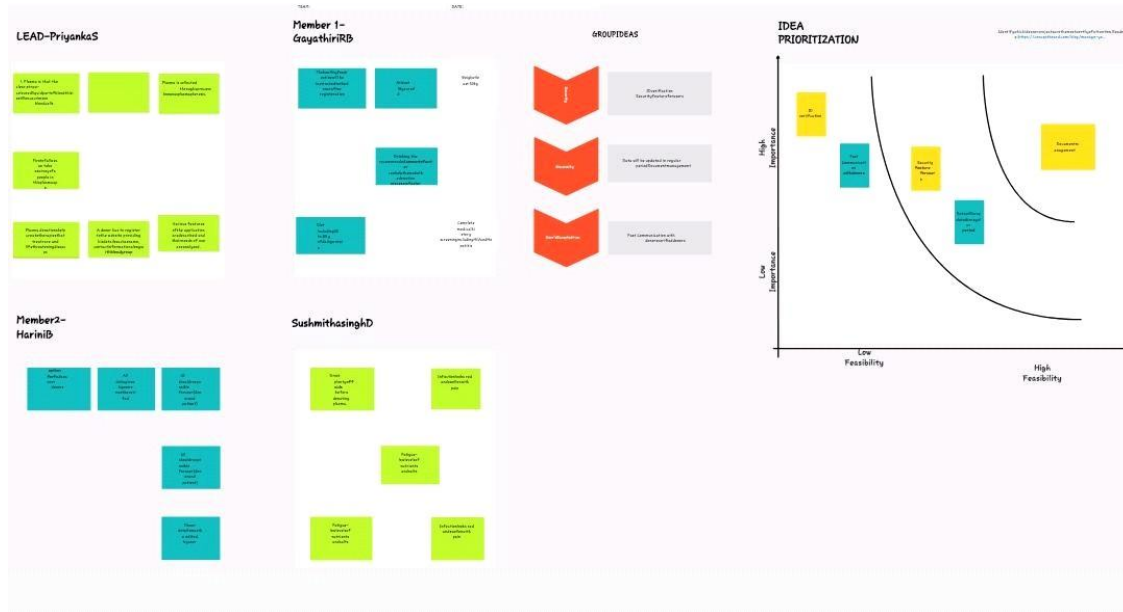| S.No.	Parameter Description	Description
1.	Problem Statement (Problem to besolved)	During the COVID 19 crisis,the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced,an application
2.	Idea / Solution description	The proposed system implements a cloud based web application as a solution to this problem. The details of the donors are fetched using a form filling structure and later embedded with the cloud storage. The receiver of the plasma has to make a request for a particular plasma in the application itself. The applicable donor and receiver are connected anonymously and the plasma is donated. The donor and receiver are connected through a unique id which keeps the identity of both donor and receiver ,hidden.
3.	Novelty / Uniqueness	The donor and receiver's information are hidden from each other providing unique Id for each user
4.	Social Impact / Customer Satisfaction	Plasma donation can be facilitated easily through this application and hence reducing the death rates due to non availability of plasma.
5.	Business Model (Revenue Model)	The application can be linked with government hospitals and could be used in blood donation camps everywhere.
6.	Scalability of the Solution	As this is an web application and uses cloud storage ,any further enhancements in technology can be incorporated within this application.

3.4 PROPOSED SOLUTION FIT:

1)CUSTOMER SEGMENT	5) AVAILABLE SOLUTION	9)PROBLEM ROOT CAUSE
Receiver Donor	Application is designed with the ability to store donor information and received when required.	Communication delay between donor and recievers has been resolved. Proper customer support is provided to reduce the technical issue.

2)JOBS TO BE DONE/PROBLEM	6)CUSTOMER CONSTRAINTS	10)YOUR SOLUTION
I)Inform about the reciever to the donor II)Provide quick solution and response to the request	Lack of knowledge about the donor available	Generate the unique ID to hide the personal information about the donor and reciever to satisfy the customer request as soon as possible

3)TRIGGERS	7)BEHAVIOUR
Watson service on a system,chatbot server as a trigger	Reciever is informed about the donor using a unique ID such that their personal information is hidden

4. REQUIREMENT ANALYSIS

• FUNCTIONAL REQUIREMENTS:

FR No	Functional Requirement (Epic)	Sub Requirement (Story / SubTask)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Html, javascript, flask	Through web application
FR-4	Login portal	Login portal Through the application
FR-5	Donor history	Through the database
FR-6	Donors list based on their locality	Through the database Through the database

NON-FUNCTIONAL REQUIREMENT:

NFR No.	Non-Functional	Description

	Requirement	
NFR-1	Usability	User can donate and request blood
NFR-2	Security	User details can be safe
NFR-3	Reliability	Can access from anywhere at any time
NFR-4	Performance	Can request and donate blood at anytime through this application
NFR-5	Availability	In blood bank all blood groups are available
NFR-6	Scalability	More facilities can be added like more than ten database

5.PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS:

A data-flow diagram is a way of representing a flow of data through a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow - there are no decision rules and no loops.
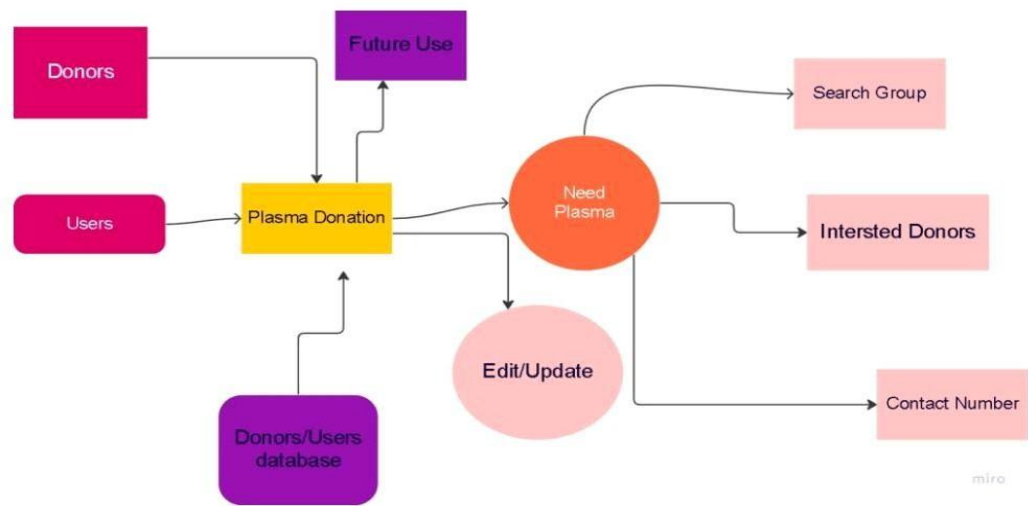
5.2 SOLUTION & TECHNICAL ARCHITECTURE:

TECHNICAL ARCHITECTURE:

Technologies and framework
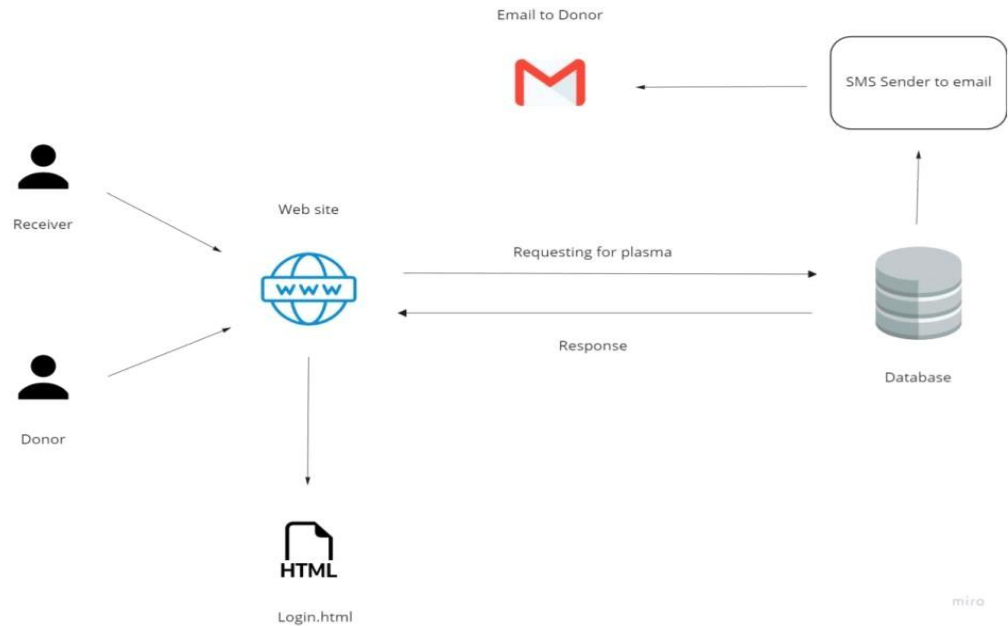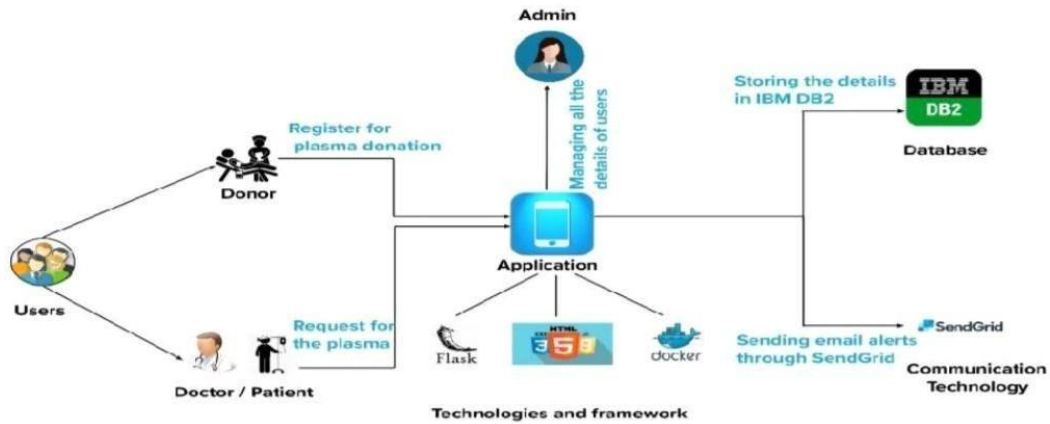
5.3 USER STORIES:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Donor	App Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint1
	Login	USN-2	As a user, I can log into the application by entering email & password	I can receive confirmat ion email & click confirm	High	Sprint2
	Accept to Donate	USN-3	As a user, I can log into the application and see the request and also receive request through mail. Accept or reject the request.	I can see the requests and accept or reject it.	High	Sprint3
Recipient	App Registrati on	USN-4	As a user, I can register for theapplication by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint1
	Login	USN-5	As a user, I can log	I can receive	High	Sprint2

			into the application by entering email & password	confirmat ion email & click confirm		
	Find the donor	USN-6	As a patient, I can directly access the application and find the plasma donor.	I can access my account / dashboard	High	Sprint1
	Request for plasma	USN-7	As a user, I can enter into the application and find the donor and request.	I can register & access the dashboard with Login and request plasma.	Medium	Sprint3
Admin	Maintain the applications	USN-8	Maintaining details for users	I can access database	High	Sprint3
	Maintain Database	USN-9	AS administrator I can hold the exact availability of plasma.	I can access my account dashboard	Medium	Sprint4

6. PROJECT PLANNING & SCHEDULING

6.1 SPRINT PLANNING & ESTIMATION SPRINT PLANNING:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Priyanka S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Priyanka S
Sprint-2		USN-3	As a user, I can register for the application through phone number	2	low	Gayathiri RB
Sprint-2		USN-4	As a user i will get confirmation sms	2	Medium	Gayathiri RB

			with otp			
Sprint-3	Dashboard	USN-6	As a user, I have to get daily updates in my dashboard	2	High	Harini B
	Sprint-4	USN-7	As a user, I have to know about the daily progress and expected release date through SMS	1	Medium	Sushmitha Singh D
Sprint-4	Customer Support	USN-8	As a user i must be able to clarify my queries	2	High	Sushmitha Singh D

SPRINT ESTIMATION:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	5 Nov 2022	20	5 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

Sprint duration = 6 days

Velocity of the team = 20 points

Average velocity (AV) = $\dfrac{\text{Velocity}}{\text{sprint duration}}$

AV = 20/6 = 3.34

Average Velocity = 3.34

6.2 SPRINT DELIVERY SCHEDULE

TITLE	DESCRIPTION	DATE
Literature Survey & Information Gathering Literature	survey on the selected project & gatheringinformation by referringthe, technical papers,	

	research publications etc.	
Prepare Empathy Map	Prepare Empathy Map in mural to capture the user Pains & Gains, Prepare list of problemstatements	
Ideation	Organizing the brainstorming session and prioritize the top 4 ideas based on the feasibility & importance.	
Proposed Solution	Prepare the proposed solution document, which includes the problem statement, idea, novelty, business model, social impact, scalability of solution	
Problem Solution Fit	Prepare problem - solutionfit document.	
Solution Architecture	Prepare solution architecture document.	
Customer Journey	Prepare the customer journeymaps to understand the user interactions & experiences with the application	
Functional Requirement	Prepare the functionalrequirement document.	
Data Flow Diagrams	Draw the data flow diagramsand submit for review.	
Technology Architecture	Prepare the technology Architecture diagram.	
Prepare Milestone & ActivityList	Prepare the milestones &activity list of the project.	
Project Development - Delivery of Sprint-1, 2, 3,4	Develop & submit the developed code by testing it.	

6.3 <u>REPORTS FROM JIRA</u>

BOARD

ROAD MAP

7 CODING AND SOLUTIONING

7.1 FEATURE 1

LOGIN:

First page of the blood plasma donor application is login page. The login page is common for admin, donor and requester. A person can login with username and password with he/she registered. If the password of the person is correct, they will be taken to the dashboard. If the password or username is incorrect, it pops up a notification saying incorrect.

login.html

```
<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<title> Login Page </title>
<style>
```

```css
Body {

    font-family: Calibri, Helvetica, sans-serif;

    background-color: pink;

}

button {

    background-color: #4CAF50;

    width: 100%;

    color: orange; padding:

    15px; margin: 10px

    0px; border: none;

    cursor: pointer;

    }

 form {

    border: 3px solid #f1f1f1;

    }

input[type=text], input[type=password] { width:

100%;

    margin: 8px 0; padding:

    12px 20px; display:
```

```css
        inline-block;

        border: 2px solid green;

        box-sizing: border-box;

    }

button:hover {

        opacity: 0.7;

    }

.cancelbtn {

        width: auto; padding:

        10px 18px; margin:

        10px 5px;

    }




.container {

        padding: 25px; background-

        color: orange;

    }

</style>

</head>
```

```html
<body>

  <center> <h1>Login Form </h1> </center>

  <form>
    <div class="container">

      <label>Username : </label>

      <input type="text" placeholder="Enter Username" name="username" required>

      <label>Password : </label>

      <input type="password" placeholder="Enter Password" name="password" required>

      <button style="height:50px;">

            <a href="application form.html">Login</a>

      </button>

      <input type="checkbox" checked="checked"> Remember me

      <a button type="button" class="cancelbtn" href="forgot password.html">Forgot
password?</button> </a>

          <a href="registration.html"> Register New User </a>

    </div>

  </form>

</body>

</html>
```

REGISTERATION:

A new donor/requester can register themselves by providing their name, username,

password, age, address, blood group and covid 19 infection status or any other medical history.

By registering as a new user, they can login anytime using the username and password.

register.html

```html
<!DOCTYPE html>
<html>

   <head>

      <title>Registration Form</title>

   </head>

   <body>

      <link href = "CSS/style.css" type = "text/css" rel = "stylesheet" />

      <h2>Registration Form</h2>

      <form name = "form1" action="modified.php" method = "post" enctype = "multipart/form-
data" >


         <div class = "login">

            <h3>Login Details</h3>

            <div class = "form_group">

               <label>User Name:</label>

               <input type = "text" name = "fname" value = "" required/>

            </div>

            <div class = "form_group">

               <label>Full Name:</label>
```

```html
            <input type = "text" name = "mname" value = "" required />

        </div>

        <div class = "form_group">

            <label>Email Id:</label>
            <input type = "email" name = "user_email" pattern="[A-Za-z0-9._%+-]+@[A-z0-9.-]+\.[a-z]{2,}$" title="Email id is not Valid" value = "" required/>

        </div>

        <div class = "form_group">

            <label>Password:</label>

            <input type = "password" name = "password" required pattern="(?=.\d)(?=.[a-z])(?=.*[A-Z]).{6,}" title="Must contain at least one number and one uppercase and lowercase letter, and at least 6 or more characters" id="password" value = "" required/>

        </div>

        <div class = "form_group">

            <label>Confirm Password:</label>

            <input type = "password" name = "confirm_password" required pattern="(?=.\d)(?=.[a-z])(?=.*[A-Z]).{6,}" title="Must contain at least one number and one uppercase and lowercase letter, and at least 6 or more characters" id="password" value = "" required/>

        </div>

    </div>


    <div class = "contact">
```

```html
<h3>Contact Details</h3>

<div class = "form_group">

  <label>Mobile Number:</label>

  <input type="text" name="user_number" required pattern="^[1-9]{1}[0-9]{9}$"
title="Number is not valid" autocomplete="off">

</div>

<div class = "form_group">

  <label>Address:</label>

  <textarea name="Address" placeholder="---Type---" required></textarea>

</div>

<div class = "form_group">

  <label>Pincode:</label>

  <input type="text" name="pincode" required pattern="^[0-9]{6}$" title="Pincode is not
valid" autocomplete="off">

</div>

<div class = "form_group">

  <label>City:</label>

  <input type="text" name="city">

</div>

<div class = "form_group">

  <label>State:</label>
```

```html
            <input type = type="text" name="state" required/>

        </div>

    </div>


    <div class = "personal">

        <h3>Contact Details</h3>
        <div class = "form_group">

            <label>Date Of Birth:</label>

            <input type="date" name="date_of_birth" required autocomplete="off">

        </div>

        <div class = "form_group">

            <label>Gender:</label>

            <div class="radio">

                <input type="radio" name="gender" class="radio1" value="Male"><span
class="radioname" required autocomplete="off">Male</span>

                <input type="radio" class="radio2" name="gender" value="Female"><span
class="radioname" required autocomplete="off">Female</span>

            </div>

        </div>

        <div class = "form_group">

            <label>Blood Group:</label>

            <input type="text" list="bloodgroup" name="blood_group" placeholder=" Select-
```

```html
---" required autocomplete="off">

          <datalist id="bloodgroup">

          <option value="A+"></option>

          <option value="A-"></option>

          <option value="AB+"></option>

          <option value="B+"></option>

          <option value="B-"></option>
          <option value="O+"></option>

          <option value="O-"></option>

          </datalist>

       </div>

       <div class = "form_group">

          <label>Plasma Type:</label>

          <input type="text" list="plasmatype" name="plasma_type" placeholder=" Select-
   ---" required autocomplete="off">

          <datalist id="plasmatype">

          <option value="Hot"></option>

          <option value="Warm"></option>

          <option value="Cold"></option>

          <option value="Ultra Cold"></option>

            </datalist>

       </div>
```

```html
    <div class = "form_group">

      <label>Weight In Kg:</label>

      <input type="number" name="weight" required autocomplete="off">

    </div>

  </div>


  <span>
    <input type="checkbox" name="terms" id="checkbox" required autocomplete="off"
<p>I agree to have my contact details broadcasted to the registered donors of PGHS.net</p>

  </span>


  <div class="btn">

    <input type="reset" name="submit" value="Submit">

    <input type="reset" name="submit" value="Reset">

  </div>


  </form>

  </body>

</html>
```

DASHBOARD

A dashboard is a visual display of all of your data. While it can be used in all kinds of

different ways, its primary intention is to provide information at-a-glance, such as KPIs. Here dashboard is used to dodge between pages for the ease of use for the users.

dashboard.html

```html
<!doctype html>

<html>

  <head>

  <meta charset="utf-8">

  <title>HOME</title>

  <link rel="stylesheet" type="text/css" href="CSS/style.css">
  <title>MEDIHELP</title>

  </head>


<body>

  <center>

    <h1 style="padding-top:50px">MEDICARE</h1>

    <img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAkGBxASEhMS
```

ExMWFRUXGBYZExcXFxkZGBcfFRkXGBYaGxsYHyggHRolHRYZITIhJikrLi4uGx8zODMtNygtLisBCgoKDg0OGxAQGy0lICU3LTYrKzcvLS0rLy0tMi0tLS0tNS0tLS0tLTIrLS0tLS0tLSstLS0tLS0tLf/AABEIALAAqwMBIgACEQEDEQH/xAAcAAEAAQUBAQAAAAAAAAAAAAAAAAAABgMEBQcIAgH/xABHEAABAwIDBAYDAQCCwAAAABAAIDBBEFiEGEzFBByIyUWFxcoGRsRQVNEJSU3OTobLB0RYjYjYuEzVBckNUN0g5Kis7Tw/8QAGQEBAQACAwAAAAAAAAAAAAAAAAECBAMF/8QAKxEAAgICAQIDBwUAAAAAAAAAAAECAxEEPwDeKIiAIiAIPwDeKIiAIiAIPwDeKKiAIiIiAIiIgCIiAI
AAECAxExEiFRBBNBFDJxgZGx8CIzQmHB/9oADAMBAAIRAxEAPwDeKIiAIiIAiIgCIiAI

iIAoj0pbRS0FA+aHSRzmxsda+Qvvd1jzABt42UuWv+m2Evw9jRznjv42Dzb8FeuPKSj3Ibx1N
ddGnSTUwVDY6uV8lPM6xdI4vMTibBwcTcNvxHDmOGvQoK5dGGg8By1Het4dFeNGoohG
83kpzun34uAAMbvW0gX7w5avE+GVa5R0VjPkTJERYi4REQBERAEREAREQBERAEREA
REQBERAFpvpKxYVVU2KN5dHELDKeqZDfOb/ADrCwvy6ynPSDtCKaHdN1lmDmt/pFus4
+2wHf5LVNHR2sRw7u5dDwdP838jwunjoVKeEZbuPLR3lyKz/AEZVBjxBzGjqTRdbwdGbs/
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REQBERAEREAREQBERAFTqJ2MaXPcGtHEuIAHrKqLUO3OOuqp3w5QGQuLW6nUtNn
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ktOp0/sVh6brSUg57+Aetsrf1Ci39uXwYq95HQiLxLqLqLd//wAV7XBOkEREAREQBERAEVGo
qo47Z3tZfhmcBf2qh8bU318X3jf3U4YL1FZfG1N9fF94390+M/dMMFxWPyxvde1muN+6wK0nRUJ
Izvz3JuSbXN9bkHW62vjuI0r6eZu/j1Y7hI2/DlYrWsGTgNgNfHiT+i6HgVhMy+Jej3FHl1/RVCG
kcbeCrNDSLcVazNAFxr4nRvtK3mLZYVcbmkubZrud+y7z8fFYekqQ6upQNM1TC4j6JB69/D
QOv3K6rcaiuWgiQ8wwFzfaNFA6iteJQ9pLXNJyW+bqeHtWXxV0VBpbZqorfLLLOsaWtilBfH
Ix7QbXa4OFxxFxzVwX+BK0d0dbRuooXRw0di8h0j5p8rS61iQMvVb4cVNxtTiLuDKVt+F3S
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wIuDcciF9XkXOR9rsbmraqWaZxddzgxpNwxoJDWtHAAD2m55rDZB3BV6v/ABH+k73lUl24
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+YCR1i0u06pbbhx1KpOyMFllops1SGjuU7odt4gxu8jeXAAG1rGwtf18VHdpNn30Um6klhfJ89
sTi/J4ONrA+HFYhSnlZTKtdyey7duNxHHHH3F7sxHjYaXWAqMWEr7zTPcD2uJ9QGgCwK
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OlcGgngBxJPgACVaVMDmPexws5jnNcO4tNj7kTS6B52U0RFYgvcNeG5zzsAPMlbPwyER0
8MYGjW3d4uf1nfoFrLA4s80bORcL+Q1PuWzXycAOAt/wB39lSqC5yn8CtzbSRSqHOEriBo
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NAuetzvf2Lzsv0e0dRST1dRVvgZDNJE4hrS2zC0Bxvrclyq74LK7E8Ga5RTyXZHC31VHT0uI
OqN/IWSkNF4wG3BGnMiyzj+i7DXVElFFiTvhbBfdvjFuyHcrX0IOhR3wW/sODNTop1sl0f/C
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8GaoRTmPYinfh1dXx1D3CnleyIBrcsjWlga4niLh/JYTYbAG19bFSve6MPDyXNAJGRhdwOn
JX8yOG+xHFmBXwraw6LqqCaSopqqXEHPqob5onxgC40sSLaXsLi9rrVk8bmlzXCzmkhw7iDY
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dQNHW4g63HdYrAfF8/1Un/AEO/ZdqMk1lMyNMncEsQpWxzACKaloY3usLx5n1OSQei4NJ
8Lr66pq6WaanEj4zHhzSWtcQA9scQzi3Px8VCpG1jm5HCYss1uUtdazL5Ba3AZnW8yvUjq5x
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b8PeQXus67iCHAk211APqUeWu45EwlwttVHJJGA1lVVwNlA4RPYZfhAHc3L/ADB4OV8+
slFTDUQztyTR1Mcvwd53eanjkMN9B1hGWcvmqA0766MOazftDzd4AcA4kFpJ042cRfxK804
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CTb9lhNqcPbBTyRssWfDnujLdQWSQRvjIPMZXBYKY1r42xO37o22DWEOLRlzZQBbgMzr
eZV3R4risQyxyVDRZosA61mizeI5DRQotdcjJgl8KunUE5JJikudT1Hc/Ur/Bdlq2rlbFDA8kkAu
LXBjAfnOcRYAe3uXs5JLZRJnUmzPyOm+xi/IFk1b4fSiKKOIG4YxrQe/KAP0VwuK9mtBER
QAiIgCIiA//2Q==" alt="LOGO"

      style="height: 80px;width: 80px">

  <div class="container1">

```html
<div class="container2" style="float: left">

  <button style="height:50px;">

    <a href="home.html">

      <H1>HOME</H1>

    </a>

  </button>

</div>

<div class="container2" style="float: left">

  <button style="height:50px;">

    <a href="donors.html">

      <H1>DONORS LIST</H1>

    </a>

  </button>

</div>

<div class="container2" style="float: left">

  <button style="height:50px;">

    <a href="application form.html">

      <H1>APPLY</H1>

    </a>

  </button>

</div>
```

```html
<div class="container2" style="float: left">

   <button style="height:50px;">

     <a href="request donor.html">

       <H1>DONOR REQUEST</H1>

     </a>

   </button>

</div>

<div class="container2" style="float: left">

   <button style="height:50px;">

     <a href="donation submit.html">

       <H1>DONOR RECORD</H1>

     </a>


   </button>

</div>

<div class="container2" style="float: left">

   <button style="height:50px;">

     <a href="donor profile.html">

       <H1>PROFILE</H1>
       </a>



     </button>
```

```html
        </div>

        <div class="container2" style="float: left">

          <button style="height:50px;">

            <a href="login.html">

              <H1>LOG IN</H1>

            </a>



          </button>

        </div>


      </div>

      <br>

      <br>


      <img src="https://image.slidesharecdn.com/medihelppresentation-20-04-10-100805072631-
phpapp02/85/medihelp-presentation-4-320.jpg?cb=1659092159"

        alt="medicare" style="height:300px">

    </center>
</body>


</html>
```

```
<script>

  window.watsonAssistantChatOptions = {

    integrationID: "d63547f8-f695-4dc1-9d49-1427ee71a40c", // The ID of this integration.

    region: "au-syd", // The region your integration is hosted in.

    serviceInstanceID: "37373119-945f-46a0-928a-ced41dc40f36", // The ID of your service
instance.

    onLoad: function (instance) { instance.render(); }

  };

  setTimeout(function () {

    const t = document.createElement('script');

    t.src = "https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";

    document.head.appendChild(t);

  });

</script>
```

7.2 FEATURE 2

REQUEST FORM

Request form for blood plasma is a form to fill out in need for blood plasma. Both the donor and requester/recipient can fill the request form when in need. It asks for patient's name, blood group, quantity of blood plasma needed, health issue. This request can be viewed by the

administrator and donor.

request.html

```html
<!doctype html>

<html>

    <head>

    <meta charset="utf-8">

    <title>Application Form</title>

    <link rel="stylesheet" type="text/css" href="CSS/style.css">

    </head>

<body>

    <center>


        <div class="container1">

            <div class="container2" style="float: left">

                <button style="height:50px;">

                    <a href="home.html">

                        <H1>HOME</H1>

                    </a>

                </button>

            </div>
            <div class="container2" style="float: left">
```

```html
    <button style="height:50px;">

      <a href="donors.html">

        <H1>DONORS</H1>

      </a>

    </button>

</div>

<div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="application form.html">

        <H1>APPLY</H1>

      </a>

    </button>

</div>

<div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="request blood.html">

        <H1>REQUEST BLOOD</H1>

      </a>

    </button>

</div>

<div class="container2" style="float: left">
```

```html
    <button style="height:50px;">

      <a href="request plasma.html">

        <H1>REQUEST PLASMA</H1>

      </a>



    </button>

  </div>

  <div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="donor profile.html">

        <H1>PROFILE</H1>

      </a>



    </button>

  </div>

  <div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="login.html">

        <H1>LOGOUT</H1>

      </a>
```

```html
        </button>
        </div>


        </div>


      </center>


    <div id="body">


<h2 style="margin-top:60px;color:#66ccff; text-align:center;"> Application Form </h2>


<center> <form action="apply.php" method="post" ENCTYPE="MULTIPART/FORM-
DATA">

<table>

<tr>

<td>NID</td>

<td>: <input type="text" name="nid"/>

   <span style="color:#66ccff"><?php echo $nidErr;?></span>

<span style="color:red"><?php echo $nidErr1; ?></span>

</tr>
<tr>
```

```html
<td>Name</td>

<td>: <input type="text" name="full_name"/>

<span style="color:#66ccff"><?php echo $full_nameErr ?></span>

<span style="color:red"><?php echo $full_nameErr1 ?></span>

</tr>

<tr>

<td>Username</td>

<td>: <input type="text" name="user_name"/>

<span style="color:#66ccff"><?php echo $user_nameErr ?></span>

<span style="color:red"><?php echo $user_nameErr1 ?></span>

</tr>

<tr>

<td>Password</td>

<td>: <input type="text" name="password"/>

<span style="color:#66ccff"><?php echo $passwordErr ?></span>

<span style="color:red"><?php echo $passwordErr1 ?></span>

</tr>

<tr>

<td>Father Name</td>

<td>: <input type="text" name="father_name"/>

<span style="color:#66ccff"><?php echo $father_nameErr ?></span>
```

```html
<span style="color:red"><?php echo $father_nameErr1 ?></span>

</tr>

<tr>

<td>Mother Name</td>

<td>: <input type="text" name="mother_name"/>

<span style="color:#66ccff"><?php echo $mothernameErr ?></span>

<span style="color:red"><?php echo $mothernameErr1 ?></span>

</tr>


<tr>

<td>Email</td>

<td>: <input type="text" name="email"/>

<span style="color:#66ccff"><?php echo $emailErr ?></span>

<span style="color:red"><span style="color:red"><?php echo $emailErr1 ?></span>

</tr>


<tr>

<td>Mobile No.</td>

<td>: <input type="text" name="phone"/>

<span style="color:#66ccff"><?php echo $phoneErr ?></span>
```

```html
</tr>

<tr>

<td>Birth of Date</td>

<td>: <input type="text" name="dob"/>

<span style="color:#66ccff"><?php echo $dobErr ?></span>

</tr>

<tr>

<td>Gender</td>

<td>: <select name="gender">

<option value="">-select-</option>

<option value="male">Male</option>

<option value="female">Female</option>

<select><span style="color:#66ccff"><?php echo $genderErr ?></span></td>

</tr>

<tr>

<td>Blood Group</td>

<td>: <select name="blood_group">

<option value="">-select-</option>
```

```html
<option value="A+">A(+ve)</option>

<option value="A-">A(-ve)</option>

<option value="B+">B(+ve)</option>

<option value="B-">B(-ve)</option>

<option value="O+">O(+ve)</option>

<option value="O-">O(-ve)</option>

<option value="AB+">AB(+ve)</option>

<option value="AB-">AB(-ve)</option>

</select><span style="color:#66ccff"><?php echo $bloodgroupErr ?></span></td>

</tr>


<tr>

<td>Village</td>

<td>: <input type="text" name="village"/>

<span style="color:#66ccff"><?php echo $villageErr ?></span>

<span style="color:red"><?php echo $villageErr1 ?></span>

</tr>


<tr>

<td>Post Office</td>

<td>: <input type="text" name="post_office"/>
```

```html
<span style="color:#66ccff"><?php echo $postofficeErr ?></span>

<span style="color:red"><?php echo $postofficeErr1 ?></span>
</tr>


<tr>

<td>Thana</td>

<td>: <input type="text" name="thana"/>

<span style="color:#66ccff"><?php echo $thanaErr ?></span>

<span style="color:red"><?php echo $thanaErr1 ?></span>

</tr>


<tr>

<td>Zilla</td>

<td>: <input type="text" name="zilla"/>

<span style="color:#66ccff"><?php echo $zillaErr ?></span>

<span style="color:red"><?php echo $zillaErr1 ?></span>

</tr>


<tr>

<td>Division</td>

<td>: <select name="division">

<option value="">-select-</option>
```

```html
<option value="dhaka">Dhaka</option>

<option value="chittagong">Chittagong</option>

<option value="khulna">Khulna</option>

<option value="barisal">Barisal</option>

<option value="rajshahi">Rajshahi</option>

<option value="sylhet">Sylhet</option>

<select><span style="color:#66ccff"><?php echo $divisionErr ?></span></td>

</tr>


<tr>

<td>Upload Image</td>

<td>: <input type="file" name="photo[0]"></td>

</tr>

<tr>

<td></td>

<td style="text-align:right;"><input type="reset" name="enter" value="Enter" style="border-
radius:20px;background:gray;border:2px solid blue;color:white;width:60px;"></td>

</tr>

</table>

</form>
```

```
</center>
```

```
</body>
</html>
```

VIEW REQUEST

        The donor is capable to view the request came and admin can approve or reject it according to the stock available.

view.html

```
<!DOCTYPE html>

<html>

  <head>

    <title>Request Plasma</title>

  </head>

  <body>


    <center>


      <div class="container1">

        <div class="container2" style="float: left">

          <button style="height:50px;">

              <a href="home.html">
```

```html
      <H1>HOME</H1>

    </a>

  </button>

</div>

<div class="container2" style="float: left">

  <button style="height:50px;">

    <a href="donors.html">

      <H1>DONORS</H1>

    </a>

  </button>

</div>

<div class="container2" style="float: left">

  <button style="height:50px;">

    <a href="application form.html">

      <H1>APPLY</H1>

    </a>

  </button>

</div>

<div class="container2" style="float: left">

  <button style="height:50px;">

    <a href="request blood.html">
```

```html
            <H1>REQUEST BLOOD</H1>

        </a>

    </button>

</div>

<div class="container2" style="float: left">
    <button style="height:50px;">

        <a href="request plasma.html">

            <H1>REQUEST PLASMA</H1>

        </a>


    </button>

</div>

<div class="container2" style="float: left">

    <button style="height:50px;">

        <a href="donor profile.html">

            <H1>PROFILE</H1>

        </a>


    </button>

</div>

<div class="container2" style="float: left">

    <button style="height:50px;">
```

```html
                <a href="login.html">

                    <H1>LOGOUT</H1>

                </a>



                </button>
            </div>



            </div>



        </center>

    <link href = "CSS/style.css" type = "text/css" rel = "stylesheet" />

    <h2>REQUEST PLASMA</h2>

    <form name = "form1" action="modified.php" method = "post" enctype = "multipart/form-
data" >



<span>

<h4>Hello, Friend!</h4>

<p>Enter your personal details and start journey with us</p>

</span>

</div>
```

```html
<!-- Responsive Table-->

<div class="rregisterdonor">

<form action="registar_event.php" method="post" id="myform">

<div class="rlogin">

<h3>Login Details</h3>
<table>

<tr>

<td>

<label>Full Name:-</label>

<input type="text" name="user_full_name" required pattern="[A-z ]+$" title="Use only

character & whitespace">

</td>

</tr>

<tr>

<td>

<label>Email Id:-</label>

<input type="email" name="user_email" required pattern="[A-Za-z0-9._%+-]+@[A-z0-9.-

]+\.[a-z]{2,}$" title="Email id is not Valid">

</td>

</tr>

<tr>
```

```html
<td>

<label>Password:-</label>

<input type="password"name="password" required pattern="(?=.\d)(?=.[a-z])(?=.*[A-Z]).{6,}"
title="Must contain at least one number and one uppercase and lowercase letter, and at least 6 or
more characters">

</td>

</tr>
<tr>

<td>

<label>Confirm Password:-</label>

<input type="text" name="confirm_password" required pattern="(?=.\d)(?=.[a-z])(?=.*[A- Z]).{6,}"
title="Must contain at least one number and one uppercase and lowercase letter, and at least 6 or
more characters">

</td>

</tr>

</table>

</div>

<div class="revent">

<h3>Event Details</h3>

<table>

<tr>

<td>
```

```html
<label>Mobile Number:-</label>

<input type="text" name="user_number" required pattern="^[1-9]{1}[0-9]{9}$" title="Number is
not valid">

</td>

</tr>

<tr>

<td>

<label>Event Address:-</label>
<textarea name="event_address" placeholder="---Type---" required></textarea>

</td>

</tr>

<tr>

<td>

<label>Event Date:-</label>

<input type="date" name="event_date" required>

</td>

</tr>

<tr>

<td>

<label>Event Time:-</label>

<input type="time" name="start_time" class="time" required>

</td>
```

```html
</tr>

<tr>

<td>

<label>Pincode:-</label>

<input type="text" name="pincode" required pattern="^[0-9]{6}$" title="Pincode is not valid">

</td>

</tr>

<tr>
<td>

<label>City:-</label>

<!-- Tamil Nadu-->

<select id="city" name="city">

  <option value="">Select City</option>

  <option value="Abiramam">Abiramam</option>

  <option value="Adirampattinam">Adirampattinam</option>

  <option value="Aduthurai">Aduthurai</option>

  <option value="Alagapuram">Alagapuram</option>

  <option value="Alandur">Alandur</option>

  <option value="Alanganallur">Alanganallur</option>

  <option value="Alangayam">Alangayam</option>

  <option value="Alangudi">Alangudi</option>
```

```html
<option value="Alangulam">Alangulam</option>

<option value="Alappakkam">Alappakkam</option>

<option value="Alwa Tirunagari">Alwa Tirunagari</option>

<option value="Ambasamudram">Ambasamudram</option>

<option value="Ambattur">Ambattur</option>

<option value="Ambur">Ambur</option>

<option value="Ammapettai">Ammapettai</option>

<option value="Anamalais">Anamalais</option>

<option value="Andippatti">Andippatti</option>
<option value="Annamalainagar">Annamalainagar</option>

<option value="Annavasal">Annavasal</option>

<option value="Annur">Annur</option>

<option value="Anthiyur">Anthiyur</option>

<option value="Arakkonam">Arakkonam</option>

<option value="Arantangi">Arantangi</option>

<option value="Arcot">Arcot</option>

<option value="Arimalam">Arimalam</option>

<option value="Ariyalur">Ariyalur</option>

<option value="Arni">Arni</option>

<option value="Arumbavur">Arumbavur</option>

<option value="Arumuganeri">Arumuganeri</option>
```

```html
<option value="Aruppukkottai">Aruppukkottai</option>

<option value="Aruvankad">Aruvankad</option>

<option value="Attayyampatti">Attayyampatti</option>

<option value="Attur">Attur</option>

<option value="Auroville">Auroville</option>

<option value="Avadi">Avadi</option>

<option value="Avinashi">Avinashi</option>

<option value="Ayakudi">Ayakudi</option>

<option value="Ayyampettai">Ayyampettai</option>

<option value="Belur">Belur</option>
<option value="Bhavani">Bhavani</option>

<option value="Bodinayakkanur">Bodinayakkanur</option>

<option value="Chengam">Chengam</option>

<option value="Chennai">Chennai</option>

<option value="Chennimalai">Chennimalai</option>

<option value="Chetput">Chetput</option>

<option value="Chettipalaiyam">Chettipalaiyam</option>

<option value="Cheyyar">Cheyyar</option>

<option value="Cheyyur">Cheyyur</option>

<option value="Chidambaram">Chidambaram</option>

<option value="Chingleput">Chingleput</option>
```

```html
<option value="Chinna Salem">Chinna Salem</option>

<option value="Chinnamanur">Chinnamanur</option>

<option value="Chinnasekkadu">Chinnasekkadu</option>

<option value="Cholapuram">Cholapuram</option>

<option value="Coimbatore">Coimbatore</option>

<option value="Colachel">Colachel</option>

<option value="Cuddalore">Cuddalore</option>

<option value="Cumbum">Cumbum</option>

<option value="Denkanikota">Denkanikota</option>

<option value="Desur">Desur</option>

<option value="Devadanappatti">Devadanappatti</option>
<option value="Devakottai">Devakottai</option>

<option value="Dhali">Dhali</option>

<option value="Dharapuram">Dharapuram</option>

<option value="Dharmapuri">Dharmapuri</option>

<option value="Dindigul">Dindigul</option>

<option value="Dusi">Dusi</option>

<option value="Elayirampannai">Elayirampannai</option>

<option value="Elumalai">Elumalai</option>

<option value="Eral">Eral</option>

<option value="Eraniel">Eraniel</option>
```

```html
<option value="Erode">Erode</option>

<option value="Erumaippatti">Erumaippatti</option>

<option value="Ettaiyapuram">Ettaiyapuram</option>

<option value="Gandhi Nagar">Gandhi Nagar</option>

<option value="Gangaikondan">Gangaikondan</option>

<option value="Gangavalli">Gangavalli</option>

<option value="Gingee">Gingee</option>

<option value="Gobichettipalayam">Gobichettipalayam</option>

<option value="Gudalur">Gudalur</option>

<option value="Gudiyatham">Gudiyatham</option>

<option value="Guduvancheri">Guduvancheri</option>

<option value="Gummidipundi">Gummidipundi</option>
<option value="Harur">Harur</option>

<option value="Hosur">Hosur</option>

<option value="Idappadi">Idappadi</option>

<option value="Ilampillai">Ilampillai</option>

<option value="Iluppur">Iluppur</option>

<option value="Injambakkam">Injambakkam</option>

<option value="Irugur">Irugur</option>

<option value="Jalakandapuram">Jalakandapuram</option>

<option value="Jalarpet">Jalarpet</option>
```

```html
<option value="Jayamkondacholapuram">Jayamkondacholapuram</option>

<option value="Kadambur">Kadambur</option>

<option value="Kadayanallur">Kadayanallur</option>

<option value="Kalakkadu">Kalakkadu</option>

<option value="Kalavai">Kalavai</option>

<option value="Kallakkurichchi">Kallakkurichchi</option>

<option value="Kallidaikurichi">Kallidaikurichi</option>

<option value="Kallupatti">Kallupatti</option>

<option value="Kalugumalai">Kalugumalai</option>

<option value="Kamuthi">Kamuthi</option>

<option value="Kanadukattan">Kanadukattan</option>

<option value="Kancheepuram">Kancheepuram</option>

<option value="Kanchipuram">Kanchipuram</option>
<option value="Kangayam">Kangayam</option>

<option value="Kanniyakumari">Kanniyakumari</option>

<option value="Karaikkudi">Karaikkudi</option>

<option value="Karamadai">Karamadai</option>

<option value="Karambakkudi">Karambakkudi</option>

<option value="Kariapatti">Kariapatti</option>

<option value="Karumbakkam">Karumbakkam</option>

<option value="Karur">Karur</option>
```

```html
<option value="Katpadi">Katpadi</option>

<option value="Kattivakkam">Kattivakkam</option>

<option value="Kattupputtur">Kattupputtur</option>

<option value="Kaveripatnam">Kaveripatnam</option>

<option value="Kayalpattinam">Kayalpattinam</option>

<option value="Kayattar">Kayattar</option>

<option value="Keelakarai">Keelakarai</option>

<option value="Kelamangalam">Kelamangalam</option>

<option value="Kil Bhuvanagiri">Kil Bhuvanagiri</option>

<option value="Kilvelur">Kilvelur</option>

<option value="Kiranur">Kiranur</option>

<option value="Kodaikanal">Kodaikanal</option>

<option value="Kodumudi">Kodumudi</option>

<option value="Kombai">Kombai</option>
<option value="Konganapuram">Konganapuram</option>

<option value="Koothanallur">Koothanallur</option>

<option value="Koradachcheri">Koradachcheri</option>

<option value="Korampallam">Korampallam</option>

<option value="Kotagiri">Kotagiri</option>

<option value="Kottaiyur">Kottaiyur</option>

<option value="Kovilpatti">Kovilpatti</option>
```

```
<option value="Krishnagiri">Krishnagiri</option>

<option value="Kulattur">Kulattur</option>

<option value="Kulittalai">Kulittalai</option>

<option value="Kumaralingam">Kumaralingam</option>

<option value="Kumbakonam">Kumbakonam</option>

<option value="Kunnattur">Kunnattur</option>

<option value="Kurinjippadi">Kurinjippadi</option>

<option value="Kuttalam">Kuttalam</option>

<option value="Kuzhithurai">Kuzhithurai</option>

<option value="Lalgudi">Lalgudi</option>

<option value="Madambakkam">Madambakkam</option>

<option value="Madipakkam">Madipakkam</option>

<option value="Madukkarai">Madukkarai</option>

<option value="Madukkur">Madukkur</option>

<option value="Madurai">Madurai</option>
<option value="Madurantakam">Madurantakam</option>

<option value="Mallapuram">Mallapuram</option>

<option value="Mallasamudram">Mallasamudram</option>

<option value="Mallur">Mallur</option>

<option value="Manali">Manali</option>

<option value="Manalurpettai">Manalurpettai</option>
```

```html
<option value="Manamadurai">Manamadurai</option>

<option value="Manappakkam">Manappakkam</option>

<option value="Manapparai">Manapparai</option>

<option value="Manavalakurichi">Manavalakurichi</option>

<option value="Mandapam">Mandapam</option>

<option value="Mangalam">Mangalam</option>

<option value="Mannargudi">Mannargudi</option>

<option value="Marakkanam">Marakkanam</option>

<option value="Marandahalli">Marandahalli</option>

<option value="Masinigudi">Masinigudi</option>

<option value="Mattur">Mattur</option>

<option value="Mayiladuthurai">Mayiladuthurai</option>

<option value="Melur">Melur</option>

<option value="Mettuppalaiyam">Mettuppalaiyam</option>

<option value="Mettur">Mettur</option>

<option value="Minjur">Minjur</option>
<option value="Mohanur">Mohanur</option>

<option value="Mudukulattur">Mudukulattur</option>

<option value="Mulanur">Mulanur</option>

<option value="Musiri">Musiri</option>

<option value="Muttupet">Muttupet</option>
```

```html
<option value="Naduvattam">Naduvattam</option>

<option value="Nagapattinam">Nagapattinam</option>

<option value="Nagercoil">Nagercoil</option>

<option value="Namagiripettai">Namagiripettai</option>

<option value="Namakkal">Namakkal</option>

<option value="Nambiyur">Nambiyur</option>

<option value="Nambutalai">Nambutalai</option>

<option value="Nandambakkam">Nandambakkam</option>

<option value="Nangavalli">Nangavalli</option>

<option value="Nangilickondan">Nangilickondan</option>

<option value="Nanguneri">Nanguneri</option>

<option value="Nannilam">Nannilam</option>

<option value="Naravarikuppam">Naravarikuppam</option>

<option value="Nattam">Nattam</option>

<option value="Nattarasankottai">Nattarasankottai</option>

<option value="Needamangalam">Needamangalam</option>

<option value="Neelankarai">Neelankarai</option>
<option value="Negapatam">Negapatam</option>

<option value="Nellikkuppam">Nellikkuppam</option>

<option value="Nilakottai">Nilakottai</option>

<option value="Nilgiris">Nilgiris</option>
```

```html
<option value="Odugattur">Odugattur</option>

<option value="Omalur">Omalur</option>

<option value="Ooty">Ooty</option>

<option value="Padmanabhapuram">Padmanabhapuram</option>

<option value="Palakkodu">Palakkodu</option>

<option value="Palamedu">Palamedu</option>

<option value="Palani">Palani</option>

<option value="Palavakkam">Palavakkam</option>

<option value="Palladam">Palladam</option>

<option value="Pallappatti">Pallappatti</option>

<option value="Pallattur">Pallattur</option>

<option value="Pallavaram">Pallavaram</option>

<option value="Pallikondai">Pallikondai</option>

<option value="Pallipattu">Pallipattu</option>

<option value="Pallippatti">Pallippatti</option>

<option value="Panruti">Panruti</option>

<option value="Papanasam">Papanasam</option>

<option value="Papireddippatti">Papireddippatti</option>
<option value="Papparappatti">Papparappatti</option>

<option value="Paramagudi">Paramagudi</option>

<option value="Pattukkottai">Pattukkottai</option>
```

```
<option value="Pennadam">Pennadam</option>

<option value="Pennagaram">Pennagaram</option>

<option value="Pennathur">Pennathur</option>

<option value="Peraiyur">Peraiyur</option>

<option value="Perambalur">Perambalur</option>

<option value="Peranamallur">Peranamallur</option>

<option value="Peranampattu">Peranampattu</option>

<option value="Peravurani">Peravurani</option>

<option value="Periyakulam">Periyakulam</option>

<option value="Periyanayakkanpalaiyam">Periyanayakkanpalaiyam</option>

<option value="Periyanegamam">Periyanegamam</option>

<option value="Periyapatti">Periyapatti</option>

<option value="Periyapattinam">Periyapattinam</option>

<option value="Perundurai">Perundurai</option>

<option value="Perungudi">Perungudi</option>

<option value="Perur">Perur</option>

<option value="Pollachi">Pollachi</option>

<option value="Polur">Polur</option>

<option value="Ponnamaravati">Ponnamaravati</option>
<option value="Ponneri">Ponneri</option>

<option value="Poonamalle">Poonamalle</option>
```

```html
<option value="Porur">Porur</option>

<option value="Pudukkottai">Pudukkottai</option>

<option value="Puduppatti">Puduppatti</option>

<option value="Pudur">Pudur</option>

<option value="Puduvayal">Puduvayal</option>

<option value="Puliyangudi">Puliyangudi</option>

<option value="Puliyur">Puliyur</option>

<option value="Pullambadi">Pullambadi</option>

<option value="Punjai Puliyampatti">Punjai Puliyampatti</option>

<option value="Rajapalaiyam">Rajapalaiyam</option>

<option value="Ramanathapuram">Ramanathapuram</option>

<option value="Rameswaram">Rameswaram</option>

<option value="Rasipuram">Rasipuram</option>

<option value="Saint Thomas Mount">Saint Thomas Mount</option>

<option value="Salem">Salem</option>

<option value="Sathankulam">Sathankulam</option>

<option value="Sathyamangalam">Sathyamangalam</option>

<option value="Sattur">Sattur</option>

<option value="Sayalkudi">Sayalkudi</option>

<option value="Seven Pagodas">Seven Pagodas</option>
<option value="Sholinghur">Sholinghur</option>
```

```html
<option value="Singanallur">Singanallur</option>

<option value="Singapperumalkovil">Singapperumalkovil</option>

<option value="Sirkazhi">Sirkazhi</option>

<option value="Sirumugai">Sirumugai</option>

<option value="Sivaganga">Sivaganga</option>

<option value="Sivagiri">Sivagiri</option>

<option value="Sivakasi">Sivakasi</option>

<option value="Srimushnam">Srimushnam</option>

<option value="Sriperumbudur">Sriperumbudur</option>

<option value="Srivaikuntam">Srivaikuntam</option>

<option value="Srivilliputhur">Srivilliputhur</option>

<option value="Suchindram">Suchindram</option>

<option value="Sulur">Sulur</option>

<option value="Surandai">Surandai</option>

<option value="Swamimalai">Swamimalai</option>

<option value="Tambaram">Tambaram</option>

<option value="Tanjore">Tanjore</option>

<option value="Taramangalam">Taramangalam</option>

<option value="Tattayyangarpettai">Tattayyangarpettai</option>

<option value="Thanjavur">Thanjavur</option>

<option value="Tharangambadi">Tharangambadi</option>
```

```html
<option value="Theni">Theni</option>

<option value="Thenkasi">Thenkasi</option>

<option value="Thirukattupalli">Thirukattupalli</option>

<option value="Thiruthani">Thiruthani</option>

<option value="Thiruvaiyaru">Thiruvaiyaru</option>

<option value="Thiruvallur">Thiruvallur</option>

<option value="Thiruvarur">Thiruvarur</option>

<option value="Thiruvidaimaruthur">Thiruvidaimaruthur</option>

<option value="Thoothukudi">Thoothukudi</option>

<option value="Tindivanam">Tindivanam</option>

<option value="Tinnanur">Tinnanur</option>

<option value="Tiruchchendur">Tiruchchendur</option>

<option value="Tiruchengode">Tiruchengode</option>

<option value="Tiruchirappalli">Tiruchirappalli</option>

<option value="Tirukkoyilur">Tirukkoyilur</option>

<option value="Tirumullaivasal">Tirumullaivasal</option>

<option value="Tirunelveli">Tirunelveli</option>

<option value="Tirunelveli Kattabo">Tirunelveli Kattabo</option>

<option value="Tiruppalaikudi">Tiruppalaikudi</option>

<option value="Tirupparangunram">Tirupparangunram</option>

<option value="Tiruppur">Tiruppur</option>
```

```html
<option value="Tiruppuvanam">Tiruppuvanam</option>

<option value="Tiruttangal">Tiruttangal</option>

<option value="Tiruvannamalai">Tiruvannamalai</option>

<option value="Tiruvottiyur">Tiruvottiyur</option>

<option value="Tisaiyanvilai">Tisaiyanvilai</option>

<option value="Tondi">Tondi</option>

<option value="Turaiyur">Turaiyur</option>

<option value="Udangudi">Udangudi</option>

<option value="Udumalaippettai">Udumalaippettai</option>

<option value="Uppiliyapuram">Uppiliyapuram</option>

<option value="Usilampatti">Usilampatti</option>

<option value="Uttamapalaiyam">Uttamapalaiyam</option>

<option value="Uttiramerur">Uttiramerur</option>

<option value="Ūttukkuli">Ūttukkuli</option>

<option value="V.S.K.Valasai (Dindigul-Dist.)">V.S.K.Valasai (Dindigul-Dist.)</option>

<option value="Vadakku Valliyur">Vadakku Valliyur</option>

<option value="Vadakku Viravanallur">Vadakku Viravanallur</option>

<option value="Vadamadurai">Vadamadurai</option>

<option value="Vadippatti">Vadippatti</option>

<option value="Valangaiman">Valangaiman</option>

<option value="Valavanur">Valavanur</option>
```

```html
<option value="Vallam">Vallam</option>

<option value="Valparai">Valparai</option>
<option value="Vandalur">Vandalur</option>

<option value="Vandavasi">Vandavasi</option>

<option value="Vaniyambadi">Vaniyambadi</option>

<option value="Vasudevanallur">Vasudevanallur</option>

<option value="Vattalkundu">Vattalkundu</option>

<option value="Vedaraniyam">Vedaraniyam</option>

<option value="Vedasandur">Vedasandur</option>

<option value="Velankanni">Velankanni</option>

<option value="Vellanur">Vellanur</option>

<option value="Vellore">Vellore</option>

<option value="Velur">Velur</option>

<option value="Vengavasal">Vengavasal</option>

<option value="Vettaikkaranpudur">Vettaikkaranpudur</option>

<option value="Vettavalam">Vettavalam</option>

<option value="Vijayapuri">Vijayapuri</option>

<option value="Vikravandi">Vikravandi</option>

<option value="Vilattikulam">Vilattikulam</option>

<option value="Villupuram">Villupuram</option>

<option value="Viraganur">Viraganur</option>
```

```html
    <option value="Virudhunagar">Virudhunagar</option>

    <option value="Vriddhachalam">Vriddhachalam</option>

    <option value="Walajapet">Walajapet</option>
    <option value="Wallajahbad">Wallajahbad</option>

    <option value="Wellington">Wellington</option>

</select>

</td>

</tr>

</table>

</div>

<div class="rother">

<h3>Other Details(Optional)</h3>

<table>

<tr>

<td>

<label>Which is required:</label>

<input type="text" list="need" name="need" placeholder="----Select     ">

<datalist id="need">

<option value="Plasma"></option>

<option value="Blood"></option>

<option value="Platelates"></option>
```

```
</datalist>

</td>

</tr>

<tr>
<td>

<label>Event Poster:</label>

<input type="file" name="event_poster">

</td>

</tr>

</table>

</div>

<span>

<input type="checkbox" name="terms" id="checkbox" required <p>I agree to have my contact
details broadcasted to the B24U.net</p>

</span>


<div class="btn">

<input type="reset" name="submit" value="Submit Details ">

<input type="reset" name="reset" value="Reset Details">

</div>

</form>

</div>
```

</body>

</html>

REQUEST FOR BLOOD

The user able to request for the blood

request for blood.html

<!DOCTYPE html>

<html>

  <head>

    <title>Blood Donation</title>

  </head>

  <body>

    <center>

      <div class="container1">

        <div class="container2" style="float: left">

          <button style="height:50px;">

            <a href="home.html">

              <H1>HOME</H1>

```html
        </a>

      </button>

  </div>

  <div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="donors.html">
        <H1>DONORS</H1>

        </a>

      </button>

  </div>

  <div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="application form.html">

        <H1>APPLY</H1>

      </a>

    </button>

  </div>

  <div class="container2" style="float: left">

    <button style="height:50px;">

      <a href="request blood.html">

        <H1>REQUEST BLOOD</H1>
```

```html
      </a>

    </button>

</div>

<div class="container2" style="float: left">

   <button style="height:50px;">

     <a href="request plasma.html">

       <H1>REQUEST PLASMA</H1>
       </a>


      </button>

</div>

<div class="container2" style="float: left">

   <button style="height:50px;">

     <a href="donor profile.html">

       <H1>PROFILE</H1>

      </a>


   </button>

</div>

<div class="container2" style="float: left">

   <button style="height:50px;">

     <a href="login.html">
```

```html
            <H1>LOGOUT</H1>

        </a>


      </button>

    </div>


  </div>


</center>


<link href = "CSS/style.css" type = "text/css" rel = "stylesheet" />

<h2>BLOOD DONATION</h2>

<form name = "form1" action="modified.php" method = "post" enctype = "multipart/form-
data" >


<span>

<h4>Hello, Friend!</h4>

<p>Enter your personal details and start journey with us</p>

</span>

</div>
```

```
<!--Responsive Table-->

<div class="rrequestblood">

<form id="myform" action="request_blood.php" method="post">

<div class="rpatient">

   <div class="login">

      <h3>Login Details</h3>

      <table>

      <tr>
      <td colspan="2">

      <label class="username">User Name</label>

      <input type="text" name="user_name" required pattern="^[A-Za-z0-9._%+-@]{5,10}$"
title="Enter a username between 5 to 10 letter" value="">

      </td>

      </tr>

      <tr>

      <td>

      <label>Full Name</label>

      <input type="text" name="user_full_name" required pattern="[A-z ]+$" title="Use only
character & whitespace" value=""

      </td>

      <td>

      <label>Email Id</label>
```

```html
<input type="email" name="user_email" required pattern="[A-Za-z0-9._%+-]+@[A-z0-9.-]+\.[a-z]{2,}$" title="Email id is not Valid" value="">

</td>

</tr>

<tr>

<td>

<label>Password</label>
<input type="password"name="password" required pattern="(?=.\d)(?=.[a-z])(?=.*[A- Z]).{6,}" title="Must contain at least one number and one uppercase and lowercase letter, and at least 6 or more characters" value="" >

</td>

<td>

<label>Confirm Password</label>

<input type="text" name="confirm_password" required pattern="(?=.\d)(?=.[a-z])(?=.*[A-Z]).{6,}" title="Must contain at least one number and one uppercase and lowercase letter, and at least 6 or more characters" value="" >

</td>

</tr>

</table>

</div>

<div class="contact">

<h3>Contact Details</h3>
```

```html
<table>

<tr>

<td>

<label>Mobile Number</label>

<input type="text" name="user_number" required pattern="^[1-9]{1}[0-9]{9}$"
title="Number is not valid" value="">

</td>

<td rowspan="2">
<label>Address</label>

<textarea name="Address" placeholder="" required value = "">

</textarea>

</td>

</tr>

<tr>

<td>

<label>Pincode</label>

<input type="text" name="pincode" required pattern="^[0-9]{6}$" title="Pincode is not valid"
value=" ">

</td>

</tr>

<tr>

<td>
```

```html
<label>City</label>

<input type="text" name="city" value="CHENNAI" readonly value="enter city>

</td>

<td>

<tr>

<label>State</label>

<input type="text" name="state" value="Tamilnadu" readonly value="enter state">

</td>
</tr>

</table>

</div>

<div class="personal">

<h3>Personal Details</h3>

<table>

<tr>

<td>

<label>Date Of Birth</label>

<input type="date" name="date_of_birth" required value="enter dob">

</td>

<td>

<label>Gender:</label>
```

```html
<div class="radio">


<input type="radio" name="gender" class="radio1" value="Male"><span
class="radioname" required>Male</span>

<input type="radio" class="radio2" name="gender" value="Female"><span
class="radioname" required>Female</span>

</div>

</td>

</tr>

<tr>

<td>

<label>Blood Group</label>

<input type="text" list="bloodgroup" name="blood_group" placeholder="" required
value="">

<datalist id="bloodgroup">

<option value="A+"></option>

<option value="A-"></option>

<option value="AB+"></option>

<option value="B+"></option>

<option value="B-"></option>

<option value="O+"></option>

<option value="O-"></option>
```

```html
        </datalist>

        </td>

        <td>

        <label>Weight In Kg </label>

        <input type="number" name="weight" required value="weight in kg" >

        </td>
        </tr>

        </table>

        </div>

        <span>

        <input type="checkbox" name="terms" id="checkbox" required <p>I agree to have my
contact details broadcasted to the registered donors of PGHS.net</p>

        </span>


        <div class="btnn">

        <input type="reset" name="submit" value="Update">

        <input type="reset" name="submit" value="Reset">

        </div>

        </form>

        </div>
```

</div>

        </div>

</body>

</html>

8.TESTING

1. TEST CASES

SPRINT 1

Test case ID	Test Scenario	Expected Result	Status
Home_TC_OO1	Verify user is able to see the Login , register and support button	Login , register and support button is displayed	Pass
Home_TC_OO2	Verify whether register button works	Redirected to registration page	Pass
Home_TC_OO3	Verify whether login button works	Redirected to login page	Pass
Home_TC_OO4	Verify whether support button works	Redirected to support page	Pass

Test case ID	Test Scenario	Expected Result	Status
Registration_TC_OO1	Verify the registration credentials vaild or not	Application should show below UI : a.First name and last name text box b.email text box - mandatory field c.Phone number textbox - mandatory field with maximum 10 digits allowance d.Password textbox - mandatory field with minimum 5 characters with atleast 1 alphabet and 1 number no special characters allowed e.Confirm password text box - mandatory field f.Register button	Pass
Registration_TC_OO2	Verify whether register button works	Redirects to Personal details page	Pass
Registration_TC_OO3	Verify whether the page will redirect to login page if account already registered	Redirects to Login page	Pass
Login_TC_OO1	Verify whether user is able to see email and password text box	User should navigate to user account homepage	Pass
Login_TC_OO2	Verify user is able to log into application with Valid credentials	Application redirects to dashboard	Pass
Login_TC_OO3	Verify user able to log into application with Invalid Credentials	Application should show 'Incorrect email or password ' validation message.	Pass

SPRINT 2

Test case ID	Test Scenario	Expected Result	Status

Dasboard_TC_OO1	Verify user is able to see the dashboard after login in with correct credentials	Respective Dashboard is displayed	Pass
Dashboard_TC_OO2	Verify the user login as donor, it should donor dashboard	Redirected to donor dashboard	Pass
Dashboard_TC_OO3	Verify the user login as requester, it should donor dashboard	Redirected to requester dashboard	Pass
Dashboard_TC_OO4	Verify the user logins as admin, it should admin dashboard	Redirected to admin dashboard	Pass

SPRINT 3

Test case ID	Test Scenario	Expected Result	Status
Request_TC_O O1	Verify if the requester can view request form for blood plasma	Request form is displayed	Pass
Request_TC_O O2	Verify if the admin can view request form for blood plasma	Request form is displayed	Pass
Request_TC_O O3	Verify if the donor can view request form for blood plasma	Request form is displayed	Pass
Request_TC_O O4	Verify if the requester can make request for blood plasma	Make plasma request	Pass
Request_TC_O O5	Verify if the donor can make request for blood plasma	Make plasma request	Pass
Request_TC_O O6	Verify if the donor can view the plasma requested	View plasma request	Pass
Request_TC_O O7	Verify if the admin can view the plasma requested	View plasma request	Pass
Request_TC_O O8	Verify if the admin can make request for blood plasma	Make plasma request	Pass
Request_TC_O	Verify if the admin can update	Can update and view stock	Pass

Test case ID	Test Scenario	Expected Result	Status
O9	or reduce the plasma stock		

SPRINT 4

Test case ID	Test Scenario	Expected Result	Status
View_TC_OO1	Verify if the requester can view if their request has been approved or in waiting state	Request status is displayed	Pass

Test case ID	Test Scenario	Expected Result	Status
View_TC_OO2	Verify if the admin can view the approved plasma request	Request status is displayed	Pass
View_TC_OO3	Verify if the donor can view their donation history	Donation history is displayed	Pass
view_TC_OO4	Verify if the donor can accept a plasma request	Accept plasma request	Pass
Request_TC_OO5	Verify if the mail has been sent to donor	Send mail	Pass
Request_TC_OO6	Verify if the admin can view donor and requester details	View donor and requester details	Pass

2. USER CASE ACCEPTANCE TESTING

SPRINT 1

DEFECT ANALYSIS

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

TEST CASE ANALYSIS

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Login	5	0	0	5
Register	19	0	0	19

SPRINT 2

DEFECT ANALYSIS

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

TEST CASE ANALYSIS

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Login	5	0	0	5
Register	19	0	0	19
Dashboard	5	0	0	5

SPRINT 3

DEFECT ANALYSIS

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	1	4	2	3	10
Duplicate	1	0	1	0	2
External	2	0	0	1	3
Fixed	8	2	4	6	20
Not Reproduced	0	0	0	0	0
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	16	6	7	14	35

TEST CASE ANALYSIS

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Login	5	0	0	5
Register	19	0	0	19
Dashboard	5	0	0	5
Request blood plasma	6	0	0	6

SPRINT 4

DEFECT ANALYSIS

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	1	4	2	3	10
Duplicate	1	0	1	0	2
External	2	0	0	1	3
Fixed	12	2	4	10	28
Not Reproduced	0	0	0	0	0
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	16	6	7	14	43

TEST CASE ANALYSIS

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Login	5	0	0	5
Register	19	0	0	19
Dashboard	5	0	0	5
Request blood plasma	6	0	0	6
View request	8	0	0	8

9. RESULTS

9.1 PERFORMANCE METRICS

PERFORMANCE

performanc

USES

use
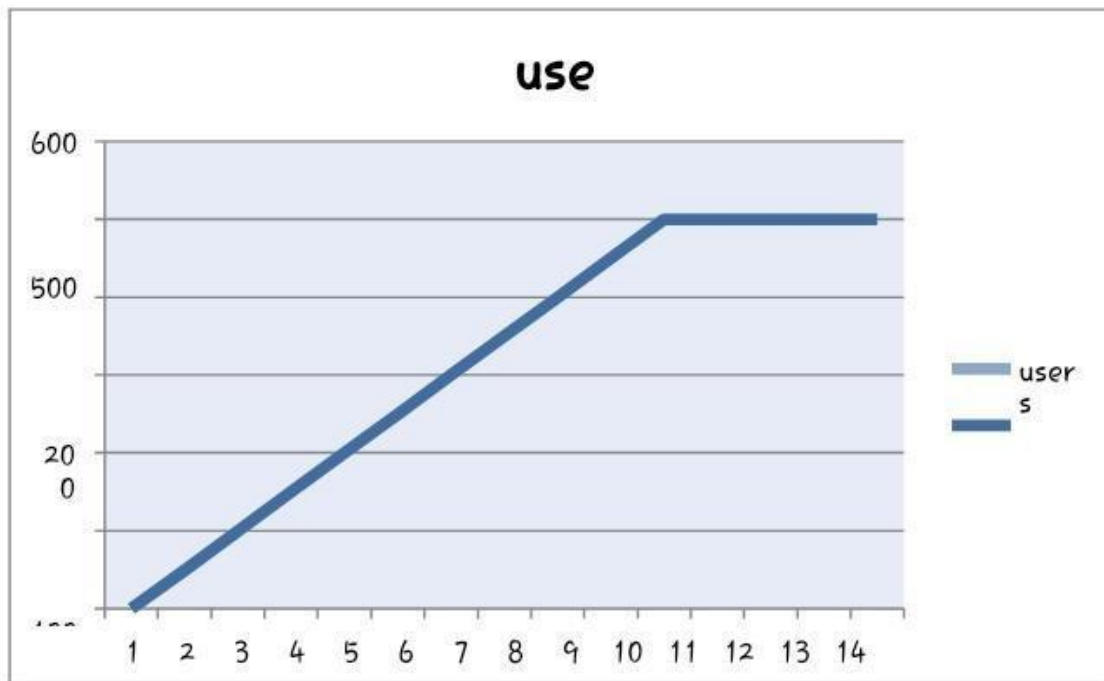
10. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

• Plasma donor application is a user friendly and easy to use application.

• It motivates many people to donate plasma which is in high demand as blood.

• The need of blood plasma increased during covid 19 crisis, so this application meets the need of many patients.

• The patients who are in need can register and can get blood plasma.

• If a donor is in need of other blood group's plasma, he/she can login in the donor page to request for any other blood group's plasma.

DISADVANTAGES:

• It cannot auto verify user genuineness whether he/she is providing the correct information about their health history.

• It requires an active internet connection.

• Due to some wrong location the application will get confused

11. CONCLUSION

In recent days, it is noticed the increase in plasma request posts on social media such as Facebook, Twitter, and Instagram. Interestingly there are many people across the world interested in donating plasma when there is a need, but those donors don't have an access to know about the plasma donation requests in their local area. This is because that there is no platform to connect local plasma donors with patients. plasma solves the problem and creates a communication channel through authorized clinics whenever a patient needs plasma donation. It is a useful tool to find compatible plasma donors who can receive plasma request posts in their local area. Clinics can use this web application to maintain the plasma donation activity. Collected data through this application can be used to analyze donations to requests rates in a local area to increase the awareness of people by conducting donations camps. Plasma Application can be developed to further improve user accessibility via integrating this application with various social networks application program interfaces (APIs). Consequently, users can login and sign up using various social networks. This would increase number of donors and enhances the process of plasma donation.

User interface (UI) can be improved in future to accommodate global audience by supporting different languages across countries. Data scraping can be done from different social networks and can be shown in the plasmaRequest Feeds. Appointments can be synchronized with Google and Outlook calendars for the ease of users.

Plasma application provides a reliable platform to connect local blood and plasma donors with patients. plasma creates a communication channel through authenticated clinics whenever a patient needs blood and as well as plasma donation. It is a useful tool to find compatible plasma donors who can receive plasma request posts in their local area. Clinics can use this web application to maintain the plasma donation activity. Future improvement of the plasma is explained.

12. FUTURE SCOPE

The scope of a system means that which modules are being covered by the system. The scope clearly defines the boundaries of the proposed system. The functional areas of this application that lies under the scope of the proposed system are the management of the availability of donors, hospitals, plasma banks to the user or member at any time. The system calculates the estimated locations of the donors, hospitals and plasma banks and also provides online chat service between donors and consumers.

The client can also go through from the guidelines section to view the useful precautions needed before and after plasma transfusion. To be a member of the Android plasma Bank has to fill the registration form and provide the necessary information. Future iterations of this project may add more features, such as a native application for the healthcare sector or another business. It is easy to make additional enhancements to this system because of the way it was designed. The modification of the project would increase the system's

adaptability. Furthermore, the functionalities are provided in a way that will improve the system's performance.

13. APPENDIX

SOURCE CODE

login.html

```html
<!DOCTYPE html>

<html >

<!--From https://codepen.io/frytyler/pen/EGdtg-->

<head>

<meta charset="UTF-8">

<title>IBM Donor App</title>

<link href='https://fonts.googleapis.com/css?family=Pacifico' rel='stylesheet' type='text/css'>

<link href='https://fonts.googleapis.com/css?family=Arimo' rel='stylesheet' type='text/css'>

<link href='https://fonts.googleapis.com/css?family=Hind:300' rel='stylesheet' type='text/css'>

<link href='https://fonts.googleapis.com/css?family=Open+Sans+Condensed:300' rel='stylesheet'
type='text/css'>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">

<style>

.login{ top: 20%;
}

</style>

</head>

<body>

<div class="header">
```

```html
<div>Plasma Donor App</div>

<ul>

<li><a href="/registration">Register</a></li>

<li><a class="active" href="/login">Home</a></li>

</ul>

</div>

<div class="login" >

<div>

</div>

<!-- Main Input For Receiving Query to our ML -->

<form action="{{ url_for('loginpage')}}"method="post">

<input type="text" name="username" placeholder="Enter UserName" required="required" style="color:black" />
<input type="password" name="password" placeholder="Enter Password" required="required"
style="color:black" />

<button type="submit" class="btn btn-primary btn-block btn-large">Login</button>

</form>

<br><br>

<div style="color:black">

{{ msg }}</div>

</div>

</body>

</html>
```

register.html

```html
<!DOCTYPE html>

<html >

<!--From https://codepen.io/frytyler/pen/EGdtg-->

<head>

<meta charset="UTF-8">

<title>IBM Plasma Donor App</title>

<link href='https://fonts.googleapis.com/css?family=Pacifico' rel='stylesheet' type='text/css'>
<link href='https://fonts.googleapis.com/css?family=Arimo' rel='stylesheet' type='text/css'>
<link href='https://fonts.googleapis.com/css?family=Hind:300' rel='stylesheet' type='text/css'>

<link href='https://fonts.googleapis.com/css?family=Open+Sans+Condensed:300' rel='stylesheet'
type='text/css'>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">

<style>

.login{ top: 20%;
}

</style>

</head>

<body>

<div class="header">

<div>Plasma Donor App</div>

<ul>

<li><a class="active" href="/login">Home</a></li>

</ul>

</div>
```

```html
<div class="login">

<!-- Main Input For Receiving Query to our ML -->

<form action="{{ url_for('register')}}"method="post">

<input type="text" name="username" placeholder="Enter Your Name" required="required" style="color:black"/>
<input type="email" name="email" placeholder="Enter Email" required="required" style="color:black"/>

<input type="text" name="phone" placeholder="Enter 10-digit mobile number" required="required"
style="color:black"/>
<input type="city" name="city" placeholder="Enter Your City Name" required="required" style="color:black"/>
<select name="infect">


<option value="select" selected>Select COVID infection
status</option>

<option value="infected">Infected</option>

<option value="uninfected">Uninfected</option>

</select>

<select name="blood">

<option value="select" selected>Choose your blood
group</option>

<option value="O Positive">O Positive</option>

<option value="A Positive">A Positive</option>

<option value="B Positive">B Positive</option>

<option value="AB Positive">AB Positive</option>

<option value="O Negative">O Negative</option>

<option value="A Negative">A Negative</option>

<option value="B Negative">B Negative</option>
```

```
<option value="AB Negative">AB Negative</option>

</select>

<input type="password" name="password" placeholder="Enter Password" required="required"
style="color:black"/>
<button type="submit" class="btn btn-primary btn-block btn-large">Register</button>

</form>

<br><br>

<div style="color:black">

{{ msg }}</div>

</div>

</body>

</html>
```

dashboard.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<title>IBM Plasma Donar App</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
```

```
</head>

<style>

.big{ top:70;
background-color:white; margin-top:80px; margin-left:550px; margin-right:550px; height:200px;
border-radius: 25px; border: 3px solid #4a77d4;
box-shadow: 6px 8px 4px grey; text-align:center;
}

.row{ height:150px;


}

.col{

margin:10px; margin-left:50px;

margin-right:50px; border-radius: 25px;
border: 1px solid #4a77d4;

box-shadow: 0px 8px 4px grey; text-align:center;
}

.ext{

margin-top:25px; line-height:40px;
}

.ext1{

margin-top:40px; line-height:50px; font-size:25px; color:#f95450;
}

</style>

<body>

<div class="container-fluid">

<div class="header">
```

```html
<div><b>Plasma Donar App</b></div>

<ul>

<li><a href="/requester">Request</a></li>

<li><a class="active" href="/logout">Logout</a></li>



</ul>

</div>

<br>

<div class="big">

<div class="box">

<div class="ext1"><font size="20px">{{b['1']}}</font><br><b>Donors</b></div>
</div>

</div>

<br>

<div class="row">

<div class="col" >

<div class="ext">{{b['2']}}<br><b>O Positive</b></div>

</div>

<div class="col" >

<div class="ext">{{b['3']}}<br><b>A Positive</b></div>

</div>

<div class="col" >

<div class="ext">{{b['4']}}<br><b>B Positive</b></div>
```

```
</div>

<div class="col" >

<div class="ext">{{b['5']}}<br><b>AB Positive</b></div>

</div>

</div>

<br>

<div class="row">

<div class="col" >

<div class="ext">{{b['6']}}<br><b>O Negative</b></div>

</div>

<div class="col" >

<div class="ext">{{b['7']}}<br><b>A Negative</b></div>

</div>

<div class="col" >

<div class="ext">{{b['8']}}<br><b>B Negative</b></div>

</div>

<div class="col" >

<div class="ext">{{b['9']}}<br><b>AB Negative</b></div>

</div>

</div>

<div style="height:200px"></div>

</div>
```

```
</body>

</html>

request.html

<h1>Edit page</h1>

<form class="form-horizontal" action="{{url_for('update')}}" method="POST">

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">Name:</label>

<div class="col-sm-6">

<input type="text" class="form-control" id ="name" name="name" value="{{data[0][1]}}" placehloder="Enter
Name">
</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">Email:</label>

<div class="col-sm-6">

<input type="email" class="form-control" id ="email" name="email" value="{{data[0][2]}}" placehloder="Enter
Email">
</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">Phno:</label>

<div class="col-sm-6">

<input type="text" class="form-control" id ="phno" name="phno" value="{{data[0][3]}}" placehloder="Enter Phno">
</div>
```

```html
</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">Blood Group:</label>

<div class="col-sm-6">

<select class="form-control" id="blood_group" name="blood_group">

<option value="A+" {% if data[0][4]=="A+"%} selected {% endif %}>A+</option>

<option value="A-" {% if data[0][4]=="A-"%} selected {% endif %}>A-
</option>

<option value="B+" {% if data[0][4]=="B+"%} selected {% endif %}>B+</option>

<option value="B-" {% if data[0][4]=="B+"%} selected {% endif %}>B-
</option>

<option value="AB+"{% if data[0][4]=="AB+"%} selected {% endif %}>AB+
</option>

<option value="AB-"{% if data[0][4]=="AB-"%} selected {% endif %}>AB-
</option>

<option value="O+" {% if data[0][4]=="O+"%} selected {% endif %}>O+</option>

<option value="O-" {% if data[0][4]=="O-"%} selected {% endif %}>O-
</option>

<option value="Don't know" {% if data[0][4]=="A+"%} selected {% endif %}>Don't Know</option>
</select>

</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">Weight:</label>

<div class="col-sm-6">
```

```html
<input type="text" class="form-control" id ="weight" name="weight" value="{{data[0][5]}}" placehloder="Enter
weight">
</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">Gender:</label>

<div class="col-sm-6">

<label class="radio-inline"><input type="radio" name="gender" value="Male"
{% if data[0][6]=="Male"%} checked {% endif %}>Male</label>

<label class="radio-inline"><input type="radio" name="gender" value="Female"
{% if data[0][6]=="Female"%} checked {% endif %}>Female</label>

<label class="radio-inline"><input type="radio" name="gender" value="Others"
{% if data[0][6]=="Others"%} checkeded {% endif %}>Others</label>

</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="pwd">dob:</label>

<div class="col-sm-6">

<input type="date" class="form-control" id ="dob" name="dob" value="{{data[0][7]}}" placehloder="Enter dob">
</div>

</div>

<div class="form-group">

<label class="control-label col-sm-2" for="Address">Address:</label>

<div class="col-sm-6">

<input type="text" class="form-control" id ="address" name="address" value="{{data[0][8]}}" placehloder="Enter
Address">
```

```html
    </div>

    </div>

    <div class="form-group">

    <label class="control-label col-sm-2" for="adharno">Adharno:</label>

    <div class="col-sm-6">

    <input type="text" class="form-control" id ="adharno" name="adharno" value="{{data[0][10]}}" placehloder="Enter
    Adharno">
    </div>

    </div>

    <div class="form-group">

    <div class="col-sm-offset-2 col-sm-10 ">

    <button type="submit" class="btn btn-default" value={{data[0][0]}} name='id'>Submit</button>
    </div>

    </div>

    </form>
```

view.html

```html
<script type="text/javascript"> var m={{ messages|safe }}; for(var i=0;i<m.length;i++)
{

alert(m[i]);

}

</script>

<table id="example" class="display" style="width:100%">

<thead>

<tr>
```

```
<th>Sno</th>

<th>Name</th>

<th>Email</th>

<th>Phno</th>

<th>Blood_group</th>

<th>Weight</th>

<th>Gender</th>

<th>Dob</th>

<th>Address</th>

<th>Adharno</th>

<th>Action</th>

<th></th>

<th></th>

</tr>

</thead>

<tbody>

<tr>

<td>{{loop.index}}

<td>{{d[1]}}</td>

<td>{{d[2]}}</td>

<td>{{d[3]}}</td>

<td>{{d[4]}}</td>
```

```html
<td>{{d[5]}}</td>

<td>{{d[6]}}</td>

<td>{{d[7]}}</td>

<td>{{d[8]}}</td>

<td>{{d[10]}}</td>

<td>

<form action="{{url_for('edit')}}" method="POST">

<button value={{d[0]}} name="edit">Edit</button>

</form>

</td>

<td>

<form action="{{url_for('hold')}}" method="POST">

<button value={{d[0]}} name="hold">Hold</button>

</form>

</td>

<td>

<form action="{{url_for('delete')}}" method="POST">

<button value={{d[0]}} name="delete">Delete</button>

</form>

</td>

</tr>

{% endfor %}
```

```html
</tbody>

</table>

<script type="text/javascript">

$(document).ready(function() {

$('#example').DataTable( { dom: 'Bfrtip',

buttons: [

'copy', 'csv', 'excel', 'pdf', 'print'

]

} );

} );

</script>

<div class="container-fluid"> <!-- Header content -->

<nav class="navbar navbar-inverse">

<div class="container-fluid">

<div class="navbar-header">

<button type="button" class="navbar-toggle" data-toggle="collapse" data- target="#myNavbar">
<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<div>

<ul class="nav navbar-nav navbar-right">

<li><a href="{{url_for('inactive')}}"><span class="glyphicon glyphicon-log-out"></span> Inactive</a></li>
```

```
</ul>

</div>

<div>

<ul class="nav navbar-nav navbar-right">

<li><a href="{{url_for('logout')}}"><span class="glyphicon glyphicon-log-out"></span> Logout</a></li>
</ul>

</div>

</div>

</div>

</nav>

</div>
```

GITHUB LINK

   https://github.com/IBM-EPBL/IBM-Project-20650-1659759236

PROJECT DEMO LINK

https://drive.google.com/file/d/13PBh8ZCvsF3L2JNkP_q6rayyrIoj5MwV/view

D4GCytzYlkZZlVqrtxJWFBUA/view?usp=sharing