

# **PLASMA DONOR APPLICATION**

**TEAM ID: PNT2022TMID16285**

**TEAM LEADER (927619BIT4076)**

**TEAM MEMBER 1(927619BIT4115)**

**TEAM MEMBER 2(927619BIT4066)**

**TEAM MEMBER 3(927619BIT4087)**

## **Report Format**

### **1. INTRODUCTION**

1.1 Project Overview

1.2 Purpose

### **2. LITERATURE SURVEY**

2.1 Existing problem

2.2 References

2.3 Problem Statement Definition

### **3. IDEATION & PROPOSED SOLUTION**

3.1 Empathy Map Canvas

3.2 Ideation & Brainstorming

3.3 Proposed Solution

3.4 Problem Solution fit

### **4. REQUIREMENT ANALYSIS**

4.1 Functional requirement

4.2 Non-Functional requirements

### **5. PROJECT DESIGN Project**

5.1 Data Flow Diagrams

5.2 Solution & Technical Architecture

5.3 User Stories

### **6. PROJECT PLANNING & SCHEDULING**

6.1 Sprint Planning & Estimation

6.2 Sprint Delivery Schedule

6.3 Reports from JIRA

### **7. CODING & SOLUTIONING (Explain the features added in the project along with code)**

7.1 Feature 1

7.2 Feature 2

### **8. TESTING**

8.1 Test Cases

8.2 User Acceptance Testing

### **9. RESULTS**

### **10. ADVANTAGES & DISADVANTAGES**

### **11. CONCLUSION**

### **12. FUTURE SCOPE**

### **13. APPENDIX**

### **14. Source Code**

GitHub & Project Demo Link

# **1. INTRODUCTION**

## **1.1 PROJECT OVERVIEW**

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

## **1.2 PURPOSE**

The scope of the work is plasma donor management scheme IBM cloud web management scheme is deployed for all admin details, user details

# **2. LITERATURE SURVEY**

In the literature survey the current blood banking and organ banking systems rely heavily on manual labor, which takes a significant amount of time and manpower. So, if the user wants to know the details of the BIO-donors, they must connect to the internet/network Collecting information about B.I.O.-donors or receivers takes more time and effort, Users do not have access to accurate information

In the current system, there are two sorts of processes: the blood donation process by donors and the blood request process by hospitals. An administrator oversees controlling the blood inventory in the blood bank in both procedures.

When a new donor comes to give blood, they are prompted to fill out their personal information during the registration process before making a donation. Following donation, the donor is given an E-donor identity card that includes their name, blood type, and a barcode that may be used as a reference for future contributions. The barcode is used to access the donor's record, which includes personal information, medical history, and donation information, including blood results. Because the Android Application is only available for usage within the organization, only B.I.O.-bank administrators have access to the donor's

information. Donors find it difficult to update their personal information in the system as a result. That is, in order for donors to update their personal information

**Donors' Experiences with Blood and Organ Donation** When a new donor arrives to give blood, they are asked to fill out their personal information. before making a gift, during the registration procedure Following donation, the donor is given an E-donor identity card that includes their name, blood type, and a barcode that may be used as a reference for future contributions. The barcode is used to access the donor's record, which includes personal information, medical history, and donation information, including blood results. Because the Android Application is only available for usage within the organisation, only B.I.O.-bank administrators have access to the donor's information. Donors find it difficult to update their personal information in the system as a result. That is, in order for donors to update their personal information

**Donors' Experiences with Blood and Organ Donation** When a new donor arrives to give blood, they are asked to fill out their personal information.

Having a manual ID card, on the other hand There are several disadvantages, such as the loss or damage of the ID Card. We can identify donors to ensure their safety. Other credentials, such as username and password, can act as a safeguard if their donors ID. card is lost or damaged while using the Android Application. **Donors' Blood and Organ Donation Process** when a new donor When people arrive to give blood, they are asked to fill out personal information.

The blood will subsequently be entered into the inventory by the Administrator. future requests the need for blood and organs is growing. since there is no substitute for human blood and organ Every day, blood and organs are required in hospitals. Emergency care of sick patients in preparation for organ transplantation beneficiaries, as well as to save the lives of accident patients with

the advancements in medical techniques and treatments, blood and blood products

Continue to grow Many individuals in India are dying as a result of a dearth of blood and organs; they are unable to obtain the blood and organs on time. The victims' relatives and friends begin looking for a donor to assist them, but there is no guarantee about the Donor's presence or health condition, and there are many people who are willing to help and donate others to save their lives. A variety of current methods have been progressively attempted to activate the blood and organ donation procedure. However, this is still ineffective today. We suggest using cutting-edge technology and techniques to develop a system that bridges the gap.

## **2.1 EXISTING PROBLEM**

### **Web-based blood information system**

A system called donation keeps track of donations, examines different research parameters, and offers online information. Blood is given to patients by contacting the donor over the phone or the internet. Only an android uses it and the blood donation time cannot be specified by the donor.

MPlus / Kerala Blood Bank is an Android application for Keralites that includes a blood donor bank of Kerala, the ability to send a request to MPlus users, and the ability to respond directly to needier The G.P.S. system is not used in this application, which is only for blood donation

### **Hospitals' Requests for Organs**

MPlus / Kerala Blood Bank is an Android application for Keralites that includes a blood donor bank of Kerala, the ability to submit a request to MPlus users, and the ability to reply immediately to needier. The G.P.S. system is not used in this application, which is just for blood donation. Hospitals' Requests for Blood and Organs Hospital scan request for blood by calling in or emailing the

blood banks the type of blood and the quantity that is in need. The Administrator is responsible for checking the availability of the blood **This Blood Bank system** is suitable for a Single Blood Bank in "A Survey Paper on E-Blood Bank and an Idea to Use on Smartphone." All information, including Blood Group, Total Units of Blood Available, Donor Information, and so on, is maintained in a database. This system assigns a unique ID to contributors in order to maintain track of their records and retrieve information in the future. If a Seeker need blood, the Doctor will simply utilize this application on his/her Smartphone to obtain the necessary information from a Blood Bank about a certain Blood Type. The usage of GPS will improve and accelerate the search technique.

## 2.2 REFERENCES

- [1] Danic B. Comprendre le don : l'apport des sciences humaines à l'activité de prélèvement. *Transfus Clin Biol* 2003;10:146–50,
- [2] Bednall TC, Bove LL. Donating blood: a meta-analytic review of selfreported motivators and deterrents. *Transfus Med Rev* 2011;25:317–34,
- [3] Bagot KL, Murray AL, Masser BM. How can we improve retention of the first-time donor? A systematic review of the current evidence. *Transfus Med Rev* 2016;30:81–91
- [4] Bandura A. Self-efficacy: toward a unifying theory of behavioral change. *Psychol Rev* 1977;84:191–215,
- [5] Robert P. Global plasma demand in 2015. *Pharm Policy Law* 2009:359–67,
- [6] Cataldo JF, Cohen E, Morganti JB. Motivation of voluntary plasmapheresis donors. *Transfusion (Paris)* 1976;16:375–9

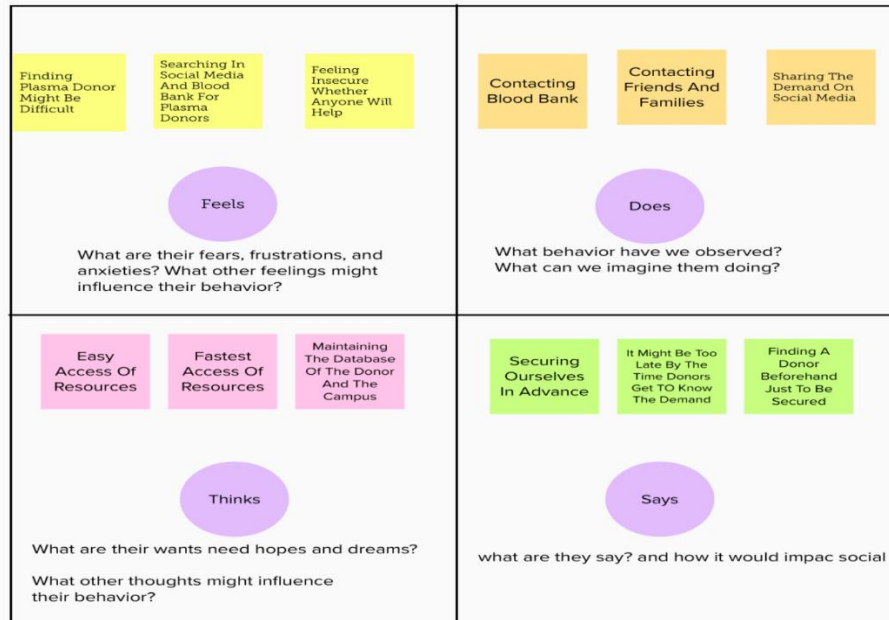
- [7] Bagot KL, Bove LL, Masser BM, Bednall TC, Buzza M. Perceived deterrents to being a plasmapheresis donor in a voluntary, nonremunerated environment. *Transfusion (Paris)* 2013;53:1108–19
- [8] Bagot KL, Masser BM, White KM. A novel approach to increasing inventory with the current panel: increasing donation frequency by asking for a different blood product. *Transfusion (Paris)* 2015;55:1294–302,
- [9] Bove LL, Bednall T, Masser B, Buzza M. Understanding the plasmapheresis donor in a voluntary, nonremunerated environment. *Transfusion (Paris)* 2011;51:2411–24
- [10] Charbonneau J, Cloutier M-S, Carrier É. Whole blood and apheresis donors in Quebec, Canada: demographic differences and motivations to donate. *Transfus Apher Sci* 2015;53:320–8,

## **2.3 PROBLEM STATEMENT DEFINITION**

Patients with severe liver disorders and numerous clotting deficiencies are given plasma. . When a patient needs plasma, it can be challenging to get in contact with a donor within the patient's family and friends in a timely manner. It can also be challenging to get in contact with authorized donor centers. Due to a lack of awareness regarding plasma donation, there is a demand for plasma donors, making it challenging for the affected patients to locate donors. During the COVID-19 pandemic, the need for plasma increased and the donor rates decreased in order to provide an immunity boost for COVID-affected patients. It takes a long time for a patient to discover the proper donor, and it also takes time for the spreading about the need for plasma donors to disseminate on social media to a larger audience. As a result, patients cannot locate the right donor within a given time frame. Our application enables patients with severe liver illnesses, blood clotting issues, and covid to quickly and easily locate the correct donor within the allotted period. The condition of the affected patient may suffer and perhaps result in death, if the appropriate plasma donor cannot be found within a certain amount of time

### 3.1 EMPATHY MAP CANVAS

## EMPATHY MAP



### 3.2 IDEATION AND BRAINSTORMING

**Brainstorm & Idea prioritization**

**Before you collaborate**

⚡ Little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⌚ 10 minutes

**1. Team gathering**

Define who should participate in the session and send an invite. Share relevant information or previous ideas.

**2. Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

**3. Learn how to use the facilitation tools**

Use the Facilitation Superpowers to run a happy and productive session.

[Open outline](#)

**Define your problem statement**

What problem are you trying to solve? Frame your problem as a how might we statement. This will be the focus of your brainstorm.

⌚ 10 minutes

**Key rules of brainstorming**

To run an smooth and productive session

- ⌚ Stay on topic
- 💡 Encourage wild ideas
- 🗣️ Defers judgement
- 🗣️ Listen actively
- 🗣️ Say for return
- 🗣️ If possible, be visual

**Brainstorm**

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

**Materials Form 10**

|              |              |              |              |
|--------------|--------------|--------------|--------------|
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |

**Materials 2**

|              |              |              |              |
|--------------|--------------|--------------|--------------|
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |

**Facilitation 3**

|              |              |              |              |
|--------------|--------------|--------------|--------------|
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |

**Sticky 4**

|              |              |              |              |
|--------------|--------------|--------------|--------------|
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |

**Sticky 5**

|              |              |              |              |
|--------------|--------------|--------------|--------------|
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |
| Sticky notes | Sticky notes | Sticky notes | Sticky notes |

**Final answer**

What's the final answer?

⌚ 10 minutes

**Key rules of brainstorming**

To run an smooth and productive session

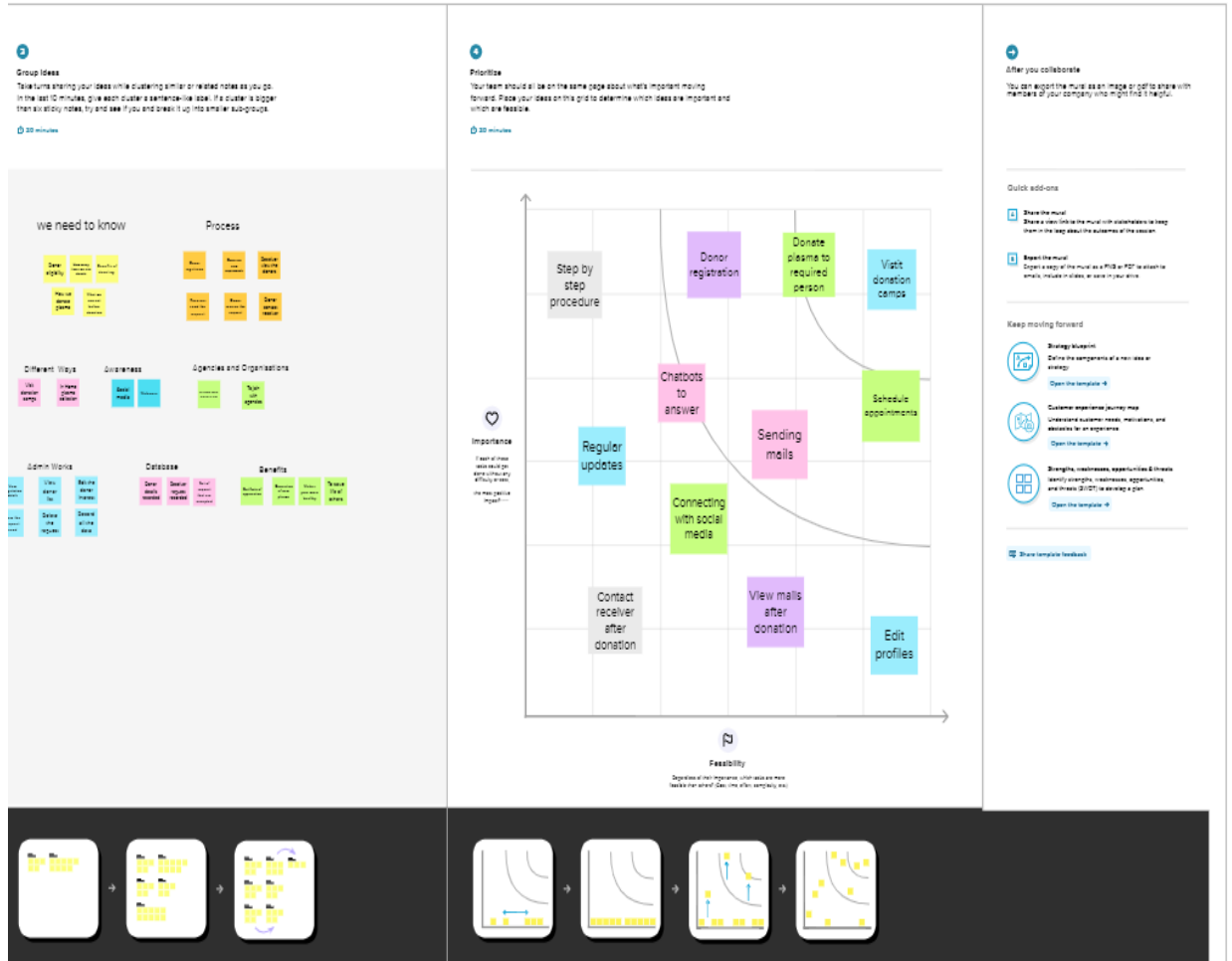
- ⌚ Stay on topic
- 💡 Encourage wild ideas
- 🗣️ Defers judgement
- 🗣️ Listen actively
- 🗣️ Say for return
- 🗣️ If possible, be visual

**Brainstorm**

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes





### 3.3 PROPOSED SOLUTION

To create an application for people who want to donate their plasma for the people who need it mostly in times of emergency. The application will enable people to register themselves in the portal for donating their plasma and the recipients who need it can see their details so that they can get the plasma. When the user request for plasma transmission if there is lack of plasma at the time of request, automatically user will be marked in hold back list. Later when there is availability of plasma, the receiver waiting in hold back list will be alerted via

calling system. The application is user friendly and anyone with basic knowledge can access it. The application seamlessly connects the donor and the person who need it and also hospitals who have availability of the plasma.

### 3.4 PROBLEM SOLUTION FIT

|  |   |  |   |  |
|--|---|--|---|--|
| <p>Focus on J&amp;P, tap into BE, understand RC</p> <p>Explore AS, differentiate</p> | <p>1. CUSTOMER SEGMENT(S) <b>CS</b></p> <p>People who are in need of plasma</p> <p>Donors</p> <p>Hospitals</p>  | <p>6. CUSTOMER CONSTRAINTS</p> <p>If the donor is unavailable at the time of request, the recipient have to wait</p>   | <p><b>CC</b> 5. AVAILABLE SOLUTIONS <b>AS</b></p> <p>Seeking help through social media</p> <p>The existing system only collect and store the donor details but they won't notify them about the recipients</p>                                    | <p>Focus on J&amp;P, tap into BE, understand RC</p> <p>Explore AS, differentiate</p> |
|  | <p>2. JOBS-TO-BE-DONE / PROBLEMS <b>J&amp;P</b></p> <p>Donors should be notified instantly upon a request from recipient</p> <p>Difficult to find Donors at the time of emergency</p>   | <p>9. PROBLEM ROOT CAUSE</p> <p>It's hard to find donors at the time of emergency</p> <p>During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low</p> | <p><b>RC</b> 7. BEHAVIOUR <b>BE</b></p> <p>Donors come forward to register and donate their plasma</p> <p>Patients will be able to get plasma at the right time</p>   |  |
|  | <p>3. TRIGGERS <b>TR</b></p> <p>We can advertise the web app through NGO's</p> <p>Creating awareness to donate plasma</p> <p>4. EMOTIONS: BEFORE / AFTER <b>EM</b></p> <p>Before: Scared, Depressed</p> <p>After: Relaxe, Happy</p> | <p>10. YOUR SOLUTION</p> <p>An application should be developed which would collect and store the donor details and notify them upon a request by the recipient</p>   | <p><b>SL</b> 8. CHANNELS of BEHAVIOUR <b>CH</b></p> <p>8.1 ONLINE</p> <p>Can use the website to easily find the donors</p> <p>8.2 OFFLINE</p> <p>Can approach the hospitals and find donors by Using the donor records maintained by hospital</p> |  |

## 4. REQUIREMENT ANALYSIS

### 4.1 FUNCTIONAL REQUIREMENT

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task)  |
|--------|-------------------------------|---|
| FR-1   | Sign in / Login               | Register with username, password  |
| FR-2   | Profile Registration          | Register with username, password, email, blood type, age. This data will be stored in a database. |
| FR-3   | User and donor dashboard      | Display user requirements, requests for donor health certificate.                                 |
| FR-4   | Chatbot                       | A chat on the webpage to solve user queries and issues.   |
| FR-5   | Logout                        | Use logout option after completing job registration process.                                      |

### 4.2 NON -FUNCTIONAL REQUIREMENTS

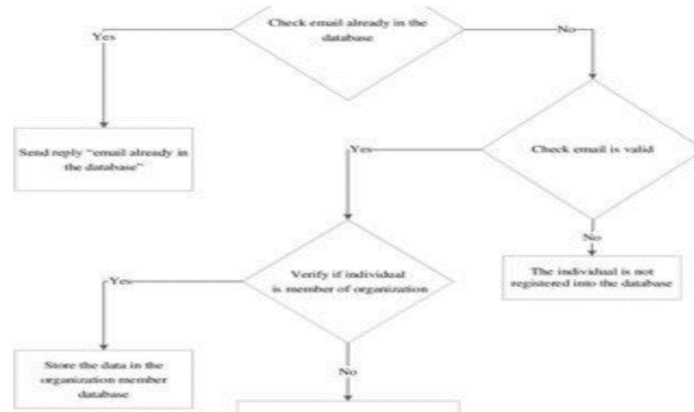
| FR No. | Non-Functional Requirement | Description   |  |
|--------|----------------------------|---|--|
| NFR-1  | <b>Usability</b>           | The webpage will be designed in such a way that any non-technical user can easily navigate through it and complete the plasma requirement registering work. |  |
| NFR-2  | <b>Security</b>            | Using of python flask to cloud connect will provide security to the project. Database will be safely stored in DB2.   |  |
| NFR-3  | <b>Reliability</b>         | To make sure the webpage doesn't go down due to network traffic.  |  |
| NFR-4  | <b>Performance</b>         | Focus on loading the webpage as quickly as possible irrespective of the number of user/integrator traffic.  |  |
| NFR-5  | <b>Availability</b>        | The webpage will be available to all users (network connectivity is necessary) at any given point of time.  |  |
| NFR-6  | <b>Scalability</b>         | Increasing the storage space of database can increase the number of users. Add some features in future to make the webpage unique and attractive.           |  |

## 5. PROJECT DESIGN

### 5.1 DATA FLOW DIAGRAMS

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



### 5.2 SOLUTION AND TECHNICAL ARCHITECTURE

Table-1 : Components & Technologies:

| S.No | Component           | Description   | Technology   |
|------|---------------------|---|--|
| 1.   | User Interface      | The user can interact with our application with the help of Mobile app,Website.               | HTML, CSS, JavaScript / Angular Js / React Js etc. |
| 2.   | Application Logic-1 | The user can login with our application, but he/she should registered earlier in our web app. | Java / Python                                      |

|    |                                 |   |  |
|----|---------------------------------|---|--|
| 3. | Application Logic-2             | They can also register with the help of website.  | IBM Watson STT service   |
| 4. | Cloud Database                  | The user data will be stored and retrieved with help of this database.                    | IBM DB2, IBM Cloudant etc.                                     |
| 5. | File Storage                    | The user documents like photos,records and much more will be stored in cloud bucket,etc.. | IBM Block Storage or Other Storage Service or Local Filesystem |
| 6. | External API                    | With the help of API,the user can search the profile Based on their need.                 | IBM API, etc.  |
| 7. | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud.   | Local, Cloud Foundry, Kubernetes, etc.                         |

Table-2: Application Characteristics:

| S.No | Characteristics       | Description   |
|------|-----------------------|---|
| 1.   | Is it scalable?       | It follows highly scalable technologies that allows application to handle increase in large user data's and workload.           |
| 2.   | Is it modifiable?     | It is highly modifiable and maintenance requires low cost,compared to other application.  |
| 3.   | Is the System Robust? | It does not disturb the performance of the computer by not affecting the operating system.It works in minimal hardware systems. |

## 5.3 USER STORIES

Use the below template to list all the user stories for the product.

| User Type               | Functional Requirement (Epic) | User Story Number | User Story / Task  | Acceptance criteria   | Priority | Release  |
|-------------------------|-------------------------------|-------------------|--|---|----------|----------|
| Customer (Mobile user)  | 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     | Sprint-1 |
|                         |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application  | I can receive confirmation email & click confirm  | High     | Sprint-1 |
|                         |                               | USN-3             | As a user, I can register for the application through Facebook   | I can register & access the dashboard with Facebook Login                               | Low      | Sprint-2 |
|                         |                               | USN-4             | As a user, I can register for the application through Gmail  | I can register the app with Gmail login.  | Medium   | Sprint-1 |
|                         | Login                         | USN-5             | As a user, I can log into the application by entering email & password   | I can register & access the dashboard with Gmail Login                                  | High     | Sprint-1 |
|                         | Dashboard                     | USN-6             | As a user, I can search the blood group for which I need plasma.   | I can get perfectly-matched plasma through filters.                                     | High     | Sprint-2 |
| Customer (Web user)     | Dashboard                     | USN-7             | As a user, I can see login page and registration page for which the user logs in and searches for the required blood group plasma. | I can login through Gmail and Facebook and register for my required blood group plasma. | Medium   | Sprint-2 |
| Customer Care Executive | Dashboard                     | USN-8             | As a customer care executive, I can solve the queries of the users.  | I can reply to their queries and solve their related problems.                          | High     | Sprint-3 |
| Administrator           | Registration                  | USN-9             | As an Administrator, I can view the database of the registered users.  | I can see who are the persons registered here and their mail ids.                       | Medium   | Sprint-4 |
|                         | Dashboard                     | USN-10            | As an Administrator, I can view how many members need what kind of blood group for plasma.   | I can count the number of requirements.   | Low      | Sprint-4 |
| ChatBot                 | Dashboard                     | USN-11            | In addition to the customer care executive, I can solve all the queries of the donor as well as the recipient.                     | I can reply to all the questions that are related to our app.                           | Medium   | Sprint-4 |

## 6.PROJECT PLANNING & SCHEDULING

### 6.1 SPRINT PLANNING & ESTIMATION

| Sprint   | Total Story<br>Points | Duration | Sprint Start<br>Date | Sprint End Date<br>(Planned) | Sprint Release<br>Date<br>(Actual) |
|----------|-----------------------|----------|----------------------|------------------------------|------------------------------------|
| Sprint-1 | 20                    | 6 Days   | 24 Oct 2022          | 29 Oct 2022                  | 29 Oct 2022                        |
| Sprint-2 | 20                    | 6 Days   | 31 Oct 2022          | 05 Nov 2022                  | 05 Nov 2022                        |
| Sprint-3 | 20                    | 6 Days   | 07 Nov<br>2022       | 12 Nov 2022                  | 12 Nov 2022                        |
| Sprint-4 | 20                    | 6 Days   | 14 Nov<br>2022       | 19 Nov 2022                  | 19 Nov 2022                        |

## 6.2 SPRINT DELIVERY SCHEDULE

| 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       | 05 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                  |

## 7. CODING & SOLUTIONING

### 7.1 FEATURE 1

```
from flask import Flask, render_template, flash, request, session
from flask import Flask, render_template, request, jsonify
import datetime
import re
```

```
import ibm_db
import pandas
import ibm_db_dbi
from sqlalchemy import create_engine
```

```
engine = create_engine('sqlite://',
                        echo = False)
```

```
dsn_hostname = "125f9f61-9715-46f9-9399-
c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud"
```

```
dsn_uid = "mxp37111"
```

```
dsn_pwd = "p9GRsT2qSqhJPOJM"
```

```
dsn_driver = "{IBM DB2 ODBC DRIVER}"
```

```
dsn_database = "bludb"
```

```
dsn_port = "30426"
```

```
dsn_protocol = "TCPIP"
```

```
dsn_security = "SSL"
```



```

dsn = (
    "DRIVER={0};"
    "DATABASE={1};"
    "HOSTNAME={2};"
    "PORT={3};"
    "PROTOCOL={4};"
    "UID={5};"
    "PWD={6};"
    "SECURITY={7};").format(dsn_driver, dsn_database, dsn_hostname,
dsn_port, dsn_protocol, dsn_uid, dsn_pwd,dsn_security)

try:
    conn = ibm_db.connect(dsn, "", "")
    print ("Connected to database: ", dsn_database, "as user: ", dsn_uid, "on host:
", dsn_hostname)

except:
    print ("Unable to connect: ", ibm_db.conn_errormsg() )


app = Flask(__name__)
app.config.from_object(__name__)
app.config['SECRET_KEY'] = '7d441f27d441f27567d441f2b6176a'

```

```
@app.route("/")
```

```
def homepage():
```

```
    return render_template('index.html')
```

```
@app.route("/AdminLogin")
```

```
def AdminLogin():
```

```
    return render_template('AdminLogin.html')
```

```
@app.route("/Register")
```

```
def Register():
```

```
    return render_template('Register.html')
```

```
@app.route("/UserLogin")
```

```
def UserLogin():
```

```
    return render_template('UserLogin.html')
```

```
@app.route("/Donor")
```

```
def Donor():
```

```
    return render_template('Donor.html')
```

```

@app.route("/RNewUser", methods=['GET', 'POST'])
def RNewUser():
    if request.method == 'POST':

        name1 = request.form['name']
        gender1 = request.form['gender']
        Age = request.form['age']
        email = request.form['email']
        address = request.form['address']
        pnumber = request.form['phone']
        uname = request.form['uname']
        password = request.form['psw']

        conn = ibm_db.connect(dsn, "", "")

        insertQuery = "INSERT INTO regtb VALUES ('" + name1 + "','" +
gender1 + "','" + Age + "','" + email + "','" + pnumber + "','" + password + "','" +
uname + "','" + address + "')"

        insert_table = ibm_db.exec_immediate (conn, insertQuery)

        print(insert_table)

    return render_template('userlogin.html')

```

```

@app.route("/RNewDonor", methods=['GET', 'POST'])
def RNewDonor():
    if request.method == 'POST':

        name1 = request.form['name']
        gender1 = request.form['gender']
        Age = request.form['age']
        blood = request.form['bgrp']
        address = request.form['address']
        pnumber = request.form['phone']
        uname = request.form['uname']
        password = request.form['psw']

        conn = ibm_db.connect(dsn, "", "")

        insertQuery = "INSERT INTO dotb VALUES ('" + name1 + "','" + gender1
+ "','" + Age + "','" + blood + "','" + pnumber + "','" + password + "','" + uname
+ "','" + address + "')"

        insert_table = ibm_db.exec_immediate (conn, insertQuery)

        print(insert_table)

    return render_template('userlogin.html')

```

```

@app.route("/Request")
def Request():

    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)

    selectQuery = "SELECT * from dotb "
    dataframe = pandas.read_sql(selectQuery, pd_conn)

    dataframe.to_sql('Employee_Data',
                    con=engine,
                    if_exists='append')

    # run a sql query
    print(engine.execute("SELECT * FROM Employee_Data").fetchall())

    return render_template('ViewProduct.html', data=engine.execute("SELECT *
FROM Employee_Data").fetchall())


@app.route("/userlogin", methods=['GET', 'POST'])
def userlogin():
    error = None

    if request.method == 'POST':
        username = request.form['uname']
        password = request.form['password']

```

```

session['uname'] = request.form['uname']

conn = ibm_db.connect(dsn, "", "")
pd_conn = ibm_db_dbi.Connection(conn)

selectQuery = "SELECT * from regtb where uname='" + username + "' and
password='" + password + "'"

dataframe = pandas.read_sql(selectQuery, pd_conn)

if dataframe.empty:
    data1 = 'Username or Password is wrong'
    return render_template('goback.html', data=data1)
else:
    print("Login")
    selectQuery = "SELECT * from regtb where uname='" + username + "'
and password='" + password + "'"
    dataframe = pandas.read_sql(selectQuery, pd_conn)

dataframe.to_sql('Employee_Data',
                 con=engine,
                 if_exists='append')

# run a sql query
print(engine.execute("SELECT * FROM Employee_Data").fetchall())

```

```
        return render_template('UserHome.html',
data=engine.execute("SELECT * FROM Employee_Data").fetchall())
```

```
def main():
    app.run(debug=True, use_reloader=True)

if __name__ == '__main__':
    main()
```

## 7.2 FEATURE 2

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>Plasma Donor Application</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template,
Bootstrap Web Templates, Flat Web Templates, Android Compatible web
template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung,
LG, SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel='stylesheet'
type='static/css'>
```

```
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,
400,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
```

```
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,
400italic,300italic,300" rel='stylesheet' type='static/static/text/css'>
```

```
<script src="static/js/jquery-1.11.1.min.js"></script>
```

```
<script src="static/js/bootstrap.js"></script>
```

```
<script type="text/javascript">
```

```
jQuery(document).ready(function ($) {
    $(".scroll").click(function (event) {
        event.preventDefault();
        $('html,body').animate({ scrollTop: $(this.hash).offset().top }, 1000);
    });
});
```

```
</script>
```

```
<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
```

```
<style>
```

```
a{
    text-decoration: none;
    color: black;
}
```

```
nav{
    background: grey;
    height: 80px;
    width: 100%;
}
```

```
nav ul{
```



```
float: right;
margin-right: 20px;
}
nav ul li{
display: inline-block;
line-height: 60px;
margin: 0 5px;

}
nav ul li a{
color: white;
font-size: 17px;
padding: 7px 13px;
border-radius: 3px;
text-transform: uppercase;
}
a.active,a:hover{
background: #1b9bff;
transition: .5s;
}
.checkbtn{
font-size: 30px;
color: white;
float: right;
line-height: 80px;
margin-right: 40px;
cursor: pointer;
```

```
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
```

```

        line-height: 30px;

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

```

```

</style>

```

```

</head>

```

```

<body>

```

```

<h1 align= 'center'>

```

```

    <a href="index.html">Plasma

```

```

Donor Application</a>

```

```

</h1>

```

```

<nav> <input type="checkbox" id="check" >
    <label for="check" class="checkbtn">
        <i class="fas fa-bars"></i></label>
    <ul>

```

```

                                <li><a
href="/">Home</a></li>

```

```

                                <li><a href="/">Logout</a></li>

```

```

                                </ul> </nav>

```

```

                                <form id="form1" runat="server" method="post" action="/userlogin">
                                <div>

```

```

                                <table class="nav-justified">

```

```

                                <tr>
                                <td width="33%" class="style1">&nbsp;
                                </td>

```

```

                                <td width="7%">&nbsp;
                                </td>

```

```

                                <td width="55%">&nbsp;
                                </td>

```

```

                                <td width="5%">&nbsp;
                                </td>

```

```

                                </tr>

```

```

                                <tr>
                                <td class="style1">&nbsp;

```

```

                                </td>

```

```

                                <td colspan="2">

```

```

                                <strong>User Login Here..!</strong></td>

```

```

                                <td>&nbsp;

```

```

                                </td>

```

```

                                </tr>

```

```

                                <tr>
                                <td class="style1">&nbsp;

```

```

                                </td>

```

```
<td>&nbsp;<br>
</td>
<td>&nbsp;<br>
</td>
<td>&nbsp;<br>
</td>
</tr>
<tr>
<td class="style1">&nbsp;<br>
</td>
<td>
  UserName</td>
<td>
  <input id="uname" type="text" name="uname" /></td>
<td>&nbsp;<br>
</td>
</tr>
<tr>
<td class="style1">&nbsp;<br>
</td>
<td>
  Password</td>
<td>
  <input id="password" type="password" name="password" /></td>
<td>&nbsp;<br>
</td>
</tr>
```

```
<tr>
  <td class="style1">&nbsp;
    </td>
  <td>&nbsp;
    </td>
  <td>&nbsp;
    </td>
  <td>&nbsp;
    </td>
</tr>
<tr>
  <td class="style1">&nbsp;
    </td>
  <td>&nbsp;
    </td>
  <td>
    <input id="Submit1" type="submit" value="submit" />&nbsp;
    <input id="Reset1" type="reset" value="reset" /></td>
  <td>&nbsp;
    </td>
</tr>
<tr>
  <td class="style1">&nbsp;
    </td>
  <td>&nbsp;
    </td>
  <td>&nbsp;
```

```

        </td>
    <td>&nbsp;
    </td>
</tr>
<tr>
    <td class="style1">&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
</tr>
<tr>
    <td class="style1">&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
</tr>
</table>

</div>
```

```

</form>

<!-- copyright -->

<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```



## 8. TESTING

### 8.1 TEST CASES

A test case has components that describe input, action and an expected response, in order to determine if a feature of an application is working correctly. A test case is a set of instructions on “HOW” to validate a particular test objective/target, which when followed will tell us if the expected behavior of the system is satisfied or not.

Characteristics of a good test case:

- Accurate: Exacts the purpose.
- Economical: No unnecessary steps or words.
- Traceable: Capable of being traced to requirements.
- Repeatable: Can be used to perform the test over and over.
- Reusable: Can be reused if necessary.

| S.NO | Scenario                | Input                        | Excepted output | Actual output  |
|------|-------------------------|------------------------------|-----------------|--|
| 1    | Admin Login Form        | User name<br>and<br>password | Login           | Login success.   |
| 2    | Donor Registration Form | Donor<br>basi<br>cdetails    | Registration    | Donor<br>registration<br>details stored<br>in<br>database. |
| 3    | User Registration Form  | User<br>basi<br>cdetails     | Registration    | User<br>registration<br>details stored<br>in<br>database.  |

|   |                 |                              |       |                |
|---|-----------------|------------------------------|-------|----------------|
| 4 | User Login Form | User name<br>and<br>password | Login | Login success. |
|---|-----------------|------------------------------|-------|----------------|

## 8.2 USER ACCEPTANCE TESTING

When a new software version was introduced in my system, first the vendor did a preliminary round of testing before submitting it to my Med info-Laboratory Information System team for validation. I then prepared a training session for the Super Users and assigned them validation tasks. When the validation was completed and accepted by me, then the software was submitted to the Hospital Information System HIS department, which conducted its own final acceptance training. Following this, transfusion medicine staff were trained before the new software went live.

## 9. RESULTS

### Plasma Donor Application

HOME ADMIN LOGIN USER LOGIN REGISTER REQUSET DONOR

# Plasma Donor Application

[DONOR](#)[LOGOUT](#)

User Login Here..!

UserName

Password

Activate Windows  
Go to Settings to activate Windows.

# Plasma Donor Application

[HOME](#)[ADMIN LOGIN](#)[USER LOGIN](#)[NEW USER](#)

## Donor Registration

Name

Gender ☐ Male ☐ Female

Age

Blood Group

Phone Number

Address

User Name

Passwrod

Activate Windows  
Go to Settings to activate Windows.

## **10. ADVANTAGES & DISADVANTAGES**

- 1.user friendly
2. Identify and formulate the problem
3. Identify the requirements, objective, and preferences
- 4.Determine project plan
5. Determine the feasibility of plan

## **11. CONCLUSION**

We design the plasma donar project for web-based application using flask technology Plasma is the most essential thing to save a life. By donating blood, we can save many lives. It is also important to remember that any one of us may need blood at some point in our lives, making blood donation is an essential duty of our citizenry. In today's world where people are busy with their lifestyle and those who are eager to donate blood but are not able to, can plan to donate blood by sitting at home just by one click with our application This application will make revolutionary changes to the medical system as people will be able to donate blood and serve mankind. It can also help people to know about the benefits about blood donation and that their small contribution can help one person to save his/her lives as soon as possible in a quick and well managed manner.

## **12. FUTURE SCOPE**

This system is developed such a way that additional enhancement can be done without much difficulty. The renovation of the project would increase the flexibility of the system. In future, we can develop this project in android platform. We will add extra features like donor location tracking system (GPS), Feedback form, and enable call option etc.

## 13. APPENDIX

### SOURCE CODE

```
<html xmlns="http://www.w3.org/1999/xhtml">

<head>

  <title>Plasma Donor Application</title>

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

  <meta charset="utf-8">

  <meta name="keywords" content="Cat Club Responsive web template,
  Bootstrap Web Templates, Flat Web Templates, Android Compatible web
  template,
  Smartphone Compatible web template, free webdesigns for Nokia, Samsung,
  LG, SonyEricsson, Motorola web design" />

  <script type="application/x-javascript"> addEventListener("load", function() {
  setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
  window.scrollTo(0,1); } </script>

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

  <link
  href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,
  400,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">

  <link
  href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,
  400italic,300italic,300' rel='stylesheet' type='static/static/text/css'>

  <script src="static/js/jquery-1.11.1.min.js"></script>

  <script src="static/js/bootstrap.js"></script>

  <script type="text/javascript">

    jQuery(document).ready(function ($) {

      $(".scroll").click(function (event) {

        event.preventDefault();

        $('html,body').animate({ scrollTop: $(this.hash).offset().top }, 1000);
```

```
});
});
</script>

<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>

<style>
a{
    text-decoration: none;
    color: black;
}
nav{
    background: grey;
    height: 80px;
    width: 100%;
}
nav ul{
    float: right;
    margin-right: 20px;
}
nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;
}
nav ul li a{
    color: white;
    font-size: 17px;
```

```
padding: 7px 13px;
border-radius: 3px;
text-transform: uppercase;
}
a.active,a:hover{
    background: #1b9bff;
    transition: .5s;
}
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}
#check{
    display: none
}
@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}
@media (max-width: 858px){
    .checkbtn{
```

```
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
```



```

        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
<a
href="index.html">Plasma Donor Application</a>
</h1>
<nav> <input type="checkbox" id="check" >
    <label for="check" class="checkbtn">
        <i class="fas fa-bars"></i></label>
    <ul>
        <li><a
href="/AdminHome">Home</a></li>
        <li><a
href="/NewProduct">NewProduct</a></li>
        <li><a
href="/ProductInfo">ProductInfo</a></li>
        <li><a
href="/ASalesInfo">SalesInfo</a></li>
        <li><a href="/">Logout</a></li>
    </ul> </nav>
<form id="form1" runat="server" method="post" action="/adminlogin">

```

```

<div>

  <h2 align="center"><span>User Details </span></h2>

  <table width="100%" border="0">

    <tr>

      <td width="22%">&nbsp;</td>

      <td width="28%">&nbsp;</td>

      <td width="47%">&nbsp;</td>

      <td width="3%">&nbsp;</td>

    </tr>

    <tr>

      <td>&nbsp;</td>

      <td colspan="2"><table width="80%" border="0">

        <tr>

          <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Name</div></td>

          <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Gender </div></td>

          <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Age </div></td>

          <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Email </div></td>

          <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Mobile</div></td>

        </tr>

        { %for item in data% }

      <tr>

        <td height="30"><div align="center"><span
class="style1">{ { item[1] } }</span></div></td>

        <td><div align="center"><span
class="style1">{ { item[2] } }</span></div></td>

```

```
<td><div align="center"><span
class="style1">{ { item[3] } }</span></div></td>
```

```
<td><div align="center"><span
class="style1">{ { item[4] } }</span></div></td>
```

```
<td><div align="center"><span
class="style1">{ { item[5] } }</span></div></td>
```

```
</tr>
```

```
{ %endfor% }
```

```
<tr>
```

```
<td>&nbsp;</td>
```

```
<td>&nbsp;</td>
```

```
<td>&nbsp;</td>
```

```
<td>&nbsp;</td>
```

```
<td>&nbsp;</td>
```

```
</tr>
```

```
</table></td>
```

```
<td>&nbsp;</td>
```

```
</tr>
```

```
</table>
```

```
<p>&nbsp;</p>
```

```
<p>&nbsp;</p>
```

```
</div>
```

```
</form>
```

```
<!-- copyright -->
```

```
<div class="copyright">
```

```
<div class="container">
```

```
<p>© All rights reserved | Design by <a
href="#">Plasma Donor Application</a></p>
```

```
</div>
```

```

</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

```

```

<title>Plasma Donor Application</title>

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

<meta charset="utf-8">

<meta name="keywords" content="Cat Club Responsive web template,
Bootstrap Web Templates, Flat Web Templates, Android Compatible web
template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung,
LG, SonyEricsson, Motorola web design" />

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

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

<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,
400,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">

<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,
400italic,300italic,300' rel='stylesheet' type='static/static/text/css'>

<script src="static/js/jquery-1.11.1.min.js"></script>

<script src="static/js/bootstrap.js"></script>

<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top }, 1000);
        });
    });
</script>

```

```
<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
```

```
<style>
```

```
  a{
    text-decoration: none;
    color: black;
  }
```

```
  nav{
    background: grey;
    height: 80px;
    width: 100%;
  }
```

```
  nav ul{
    float: right;
    margin-right: 20px;
  }
```

```
  nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;

  }
```

```
  nav ul li a{
    color: white;
    font-size: 17px;
    padding: 7px 13px;
    border-radius: 3px;
    text-transform: uppercase;
```

```
}  
a.active,a:hover{  
    background: #1b9bff;  
    transition: .5s;  
}  
.checkbtn{  
    font-size: 30px;  
    color: white;  
    float: right;  
    line-height: 80px;  
    margin-right: 40px;  
    cursor: pointer;  
    display: none;  
}  
#check{  
    display: none  
}  
@media (max-width: 952px){  
    nav ul li a{  
        font-size: 16px;  
    }  
}  
@media (max-width: 858px){  
    .checkbtn{  
        display: block;  
    }  
    ul{
```

```
    position: fixed;
    width: 100%;
    height: 100vh;
    background: #2c3e50;
    top: 80px;
    left: -100%;
    text-align: center;
    transition: all .5s;
}
nav ul li{
    display: block;
    margin: 50px 0;
    line-height: 30px

}
nav ul li a{
    font-size: 20px;

}
a:hover,a.active{
    background: none;
    color: #0082e6;
}
#checkchecked ~ ul{
    left: 0;
}
}
```



```

</style>
</head>
<body>
<h1 align= 'center'>
<a
href="index.html">Plasma Donor Application</a>
</h1>
<nav> <input type="checkbox" id="check" >
<label for="check" class="checkbtn">
<i class="fas fa-bars"></i></label>
<ul>
<li><a
href="/">Home</a></li>
<li><a
href="/Request">Request</a></li>
<li><a href="/">Logout</a></li>
</ul> </nav>
<form id="form1" runat="server" method="post" action="/adminlogin">
<div>
<h2 align="center"><span>Your Personal Details </span></h2>
<table width="100%" border="0">
<tr>
<td width="22%">&nbsp;</td>

```

```

        <td width="28%">&nbsp;</td>
        <td width="47%">&nbsp;</td>
        <td width="3%">&nbsp;</td>
    </tr>

    <tr>
        <td>&nbsp;</td>
        <td colspan="2"><table width="80%" border="0">
            <tr>
                <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Name</div></td>
                <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Gender </div></td>
                <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Age </div></td>
                <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Email </div></td>

            </tr>

            { %for item in data% }

        <tr>
            <td height="30"><div align="center"><span
class="style1">{ { item[1] } }</span></div></td>
            <td><div align="center"><span
class="style1">{ { item[2] } }</span></div></td>
            <td><div align="center"><span
class="style1">{ { item[3] } }</span></div></td>
            <td><div align="center"><span
class="style1">{ { item[4] } }</span></div></td>

        </tr>

```

```

        { %endifor% }

<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>

    </table></td>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</div>
</form>
<!-- copyright -->
    <div class="copyright">
        <div class="container">
            <p>© All rights reserved | Design by <a
href="#">Plasma Donor Application</a></p>
        </div>
    </div>
    <!-- //copyright -->
    <script src="static/js/responsiveslides.min.js"></script>
    <script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>

```

```

<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>Plasma Donor Application</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template,
Bootstrap Web Templates, Flat Web Templates, Android Compatible web
template,

```

Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />

```
<script type="application/x-javascript"> addEventListener("load", function() {  
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){  
window.scrollTo(0,1); } </script>
```

```
<link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'  
type='static/css'>
```

```
<link  
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,  
400,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
```

```
<link  
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,  
400italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
```

```
<script src="static/js/jquery-1.11.1.min.js"></script>
```

```
<script src="static/js/bootstrap.js"></script>
```

```
<script type="text/javascript">
```

```
jQuery(document).ready(function ($) {
```

```
    $(".scroll").click(function (event) {
```

```
        event.preventDefault();
```

```
        $('html,body').animate({ scrollTop: $(this.hash).offset().top }, 1000);
```

```
    });
```

```
});
```

```
</script>
```

```
<script src="https://kit.fontawesome.com/a076d05399.js"  
crossorigin="anonymous"></script>
```

```
<style>
```

```
    a{
```

```
        text-decoration: none;
```

```
        color: black;
```

```
}  
nav{  
    background: grey;  
    height: 80px;  
    width: 100%;  
}  
nav ul{  
    float: right;  
    margin-right: 20px;  
}  
nav ul li{  
    display: inline-block;  
    line-height: 60px;  
    margin: 0 5px;  
  
}  
nav ul li a{  
    color: white;  
    font-size: 17px;  
    padding: 7px 13px;  
    border-radius: 3px;  
    text-transform: uppercase;  
}  
a.active,a:hover{  
    background: #1b9bff;  
    transition: .5s;  
}
```

```
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}

#check{
    display: none
}

@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}

@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
```

```
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}
```

</style>

</head>

<body>

<h1 align= 'center'>



[Plasma Donor Application](index.html)

☐

☐

[Home](#)

[Logout](#)

|
|  |

|

|

|

|

|
|  |

|

```
<td colspan="2">
    <strong>User Login Here..!</strong></td>
<td>&nbsp;
</td>
</tr>
<tr>
    <td class="style1">&nbsp;
        </td>
    <td>&nbsp;
        </td>
    <td>&nbsp;
        </td>
    <td>&nbsp;
        </td>
</tr>
<tr>
    <td class="style1">&nbsp;
        </td>
    <td>
        UserName</td>
    <td>
        <input id="uname" type="text" name="uname" /></td>
    <td>&nbsp;
        </td>
</tr>
<tr>
    <td class="style1">&nbsp;
```

```

        </td>
    <td>
        Password</td>
    <td>
        <input id="password" type="password" name="password" /></td>
    <td>&nbsp;
    </td>
</tr>
<tr>
    <td class="style1">&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>&nbsp;
    </td>
</tr>
<tr>
    <td class="style1">&nbsp;
    </td>
    <td>&nbsp;
    </td>
    <td>
        <input id="Submit1" type="submit" value="submit" />&nbsp;
        <input id="Reset1" type="reset" value="reset" /></td>
    <td>&nbsp;

```

```

        </td>
    </tr>
    <tr>
        <td class="style1">&nbsp;
            </td>
        <td>&nbsp;
            </td>
        <td>&nbsp;
            </td>
        <td>&nbsp;
            </td>
    </tr>
    <tr>
        <td class="style1">&nbsp;
            </td>
        <td>&nbsp;
            </td>
        <td>&nbsp;
            </td>
        <td>&nbsp;
            </td>
    </tr>
    <tr>
        <td class="style1">&nbsp;
            </td>
        <td>&nbsp;
            </td>
    </tr>

```



```

$().UItoTop({ easingType: 'easeOutQuart' });

});
</script>
<!-- //here ends scrolling icon -->
</body>
</html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>Plasma Donor Application</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template,
Bootstrap Web Templates, Flat Web Templates, Android Compatible web
template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung,
LG, SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,
400,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,
400italic,300italic,300" rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>

```

```
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top }, 1000);
        });
    });
</script>

<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>

<style>
    a{
        text-decoration: none;
        color: black;
    }
    nav{
        background: grey;
        height: 80px;
        width: 100%;
    }
    nav ul{
        float: right;
        margin-right: 20px;
    }
    nav ul li{
        display: inline-block;
        line-height: 60px;
```

margin: 0 5px;

}

nav ul li a{

color: white;

font-size: 17px;

padding: 7px 13px;

border-radius: 3px;

text-transform: uppercase;

}

a.active,a:hover{

background: #1b9bff;

transition: .5s;

}

.checkbtn{

font-size: 30px;

color: white;

float: right;

line-height: 80px;

margin-right: 40px;

cursor: pointer;

display: none;

}

#check{

display: none

}

@media (max-width: 952px){



```
nav ul li a{
    font-size: 16px;
}
}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px
    }
    nav ul li a{
        font-size: 20px;
```

```
}  
a: hover, a. active {  
    background: none;  
    color: #0082e6;  
}  
#checkchecked ~ ul {  
    left: 0;  
}  
}
```

</style>

</head>

<body>

<h1 align= 'center'>

href="index.html">Plasma Donor Application</a>

</h1>

<nav> <input type="checkbox" id="check" >

<label for="check" class="checkbtn">

<i class="fas fa-bars"></i></label>

<ul>

href="/">Home</a></li>

href="/AdminLogin">Admin Login</a></li>

href="/UserLogin">User Login</a></li>

```

</li><a
href="/NewUser">New User</a></li>

```

```

</ul> </nav>

```

```

<form id="form1" name="form1" method="post" action="/RNewUser">
    <div align="center" ><h2> <strong>New User
Registration</strong> </h2> </div>

```

```

    <table width="35%" border="0" align="center">

```

```

<tr>

```

```

    <td></td>

```

```

</tr>

```

```

<tr>

```

```

    <td width="45%" height="48">Name</td>

```

```

    <td width="55%"><input name="name" type="text" id="name" required
pattern="[A-Za-z ]{3,32}"/>

```

```

    </td>

```

```

</tr>

```

```

<tr>

```

```

    <td height="50">Gender</td>

```

```

    <td><input name="gender" type="radio" value="male" required />

```

```

    Male

```

```

    <input name="gender" type="radio" value="female" />

```

```

    Female</td>

```

```

</tr>

```

```

<tr>

```

```

<td height="49">Age</td>
<td>
  <input name="age" type="text" id="age" required size="3" />
</td>
</tr>
<tr>
  <td height="48">Email Id</td>
  <td><input name="email" type="email" id="email" required /></td>
</tr>
<tr>
  <td height="46">Phone Number </td>
  <td><input name="phone" type="text" id="phone"  required size="10"
pattern="[0-9]{10}" /></td>
</tr>
<tr>
  <td height="50">Address</td>
  <td><textarea name="address" id="address" required></textarea></td>
</tr>
<tr>
  <td height="40">User Name</td>
  <td><input name="uname" type="text" id="uname"  required/></td>
</tr>
<tr>

```

```

<td height="53">Passwrod</td>
<td><input name="psw" type="password" id="psw" required/></td>
</tr>

<tr>
<td height="72">&nbsp;</td>
<td><input name="btn" type="submit" id="btn" value="Submit" />
<input type="reset" name="Submit2" value="Reset" /></td>
</tr>
</table>

</form>

<!-- copyright -->
<div class="copyright">
<div class="container">
<p>© All rights reserved | Design by <a
href="#">Plasma Donor Application</a></p>
</div>
</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
$(document).ready(function () {
/*
var defaults = {

```

```
containerID: 'toTop', // fading element id
containerHoverID: 'toTopHover', // fading element hover id
scrollSpeed: 1200,
easingType: 'linear'
};
*/
```

```
$.UItoTop({ easingType: 'easeOutQuart' });
```

```
});
```

```
</script>
```

```
<!-- //here ends scrolling icon -->
```

```
</body>
```

```
</html>
```

## **GITHUB LINK**

<https://github.com/IBM-EPBL/IBM-Project-17453-1659670859>

## **PROJECT DEMO LINK**

[https://drive.google.com/file/d/1c3e5xQRDNq9GkrMNo8ukRWs\\_wyuXiliz/view?usp=share link](https://drive.google.com/file/d/1c3e5xQRDNq9GkrMNo8ukRWs_wyuXiliz/view?usp=share_link)