

PLASMA DONOR APPLICATION
PROJECT REPORT

A PROJECT REPORT

Submitted by

| | |
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1. INTRODUCTION

1.1 PROJECT OVERVIEW

- The person who wants to donate his/her plasma needs to register in the application.
- After that gives the basic information of donor
Like name, age, blood group, phone number and location etc .
- Patients can directly call the donor by taking his/her contact number from the application.
- The user can view the total active cases, recovered cases, vaccine center hospital location and help line number.

1.2 PURPOSE

- To make easier for the **covid -19** patients to get a plasma donor easily.
- They have two types of users:
 1. Plasma donors
 2. Plasma acceptor
- The user also view near by location of hospital, vaccine center, and

donor contact number.

2. ITERATURE SURVEY

2.1 EXISTING PROBLEM

- Location finding of donor to donate a plasma
- Searching of hospitals to find the plasma
- Searching of blood groups
- Blood center finding of acceptor

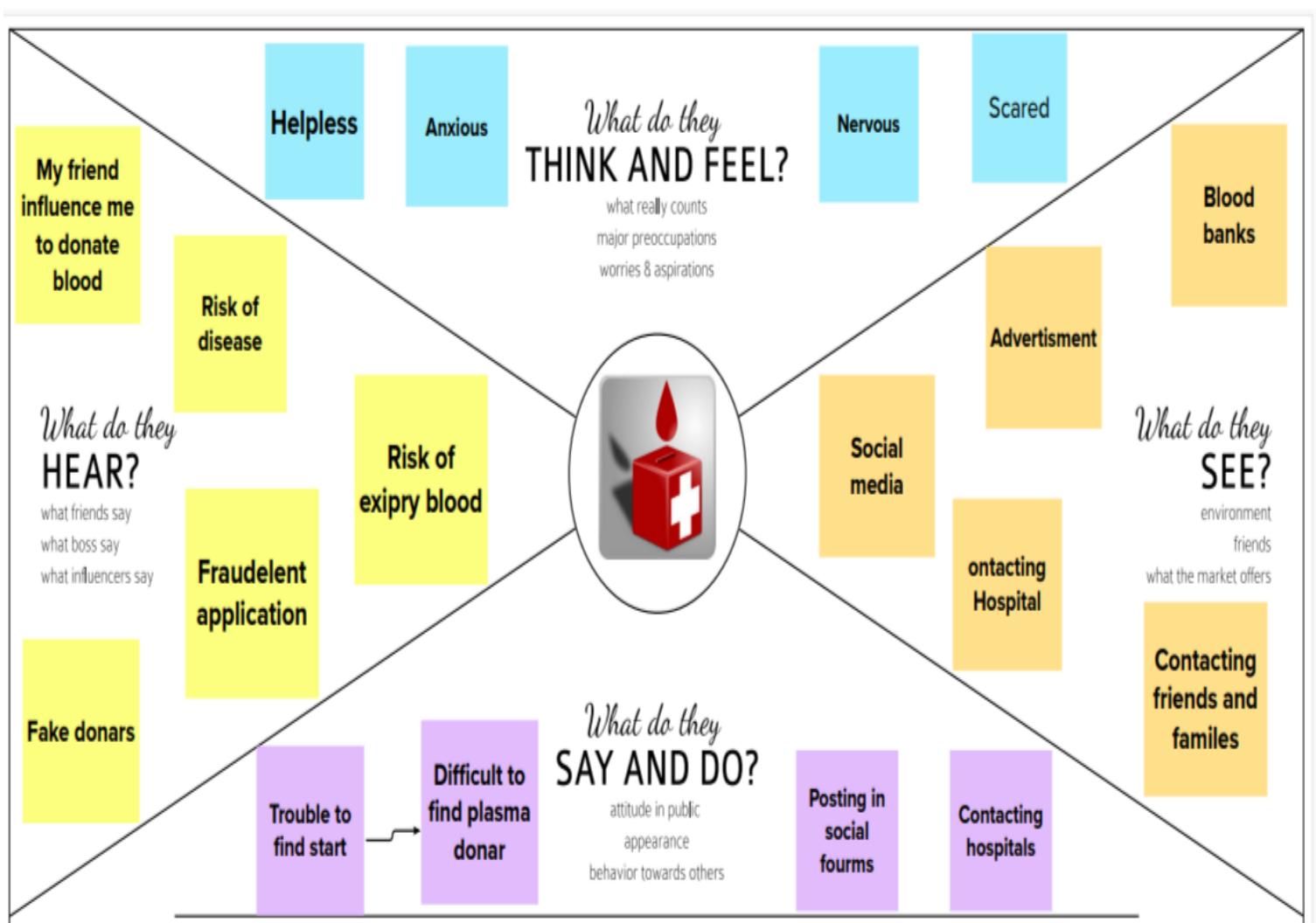
2.3 problem statement definition

- It is difficult to find a plasma donor as everybody cannot donate a Plasma so the user can benefit to the website
- Plasma donor can easily donate our plasma.
- Plasma acceptor can easily find the plasma donor.

- The patients can directly call the donor by taking his/her contact number from the application.

3. IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS



3.2 BRAINSTORMING DIAGRAM



4 . REQUIREMENT ANALYSIS

4.1 Functional requirements

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---------------|--------------------------------------|--|
| FR-1 | User Registration | Registration through Form (WebApp) |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Certification | After the donor donates plasma, we will give them a certificate of appreciation and authentication. |
| FR-4 | Statistical data | The availability of plasma is given in the page as stats, which will be helpful for the users. |
| FR-5 | User Plasma Request | Users can request to donate plasma by filling out the request form on the page. Once the request is submitted, they will get an email |
| FR-6 | Searching/reporting requirements | Users can use the search bar to look up information about camps and other topics. |

4.2 Non-Functional requirements

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Must have a good looking User friendly interface. |
| NFR-2 | Security | It must be secured with the proper username and password. |
| NFR-3 | Reliability | The system should be made in such a way that it is reliable in its operations and for securing the sensitive details. |
| NFR-4 | Performance | Users should have a proper Internet Connection. |
| NFR-5 | Availability | The system including the online and offline components should be available 24/7. |

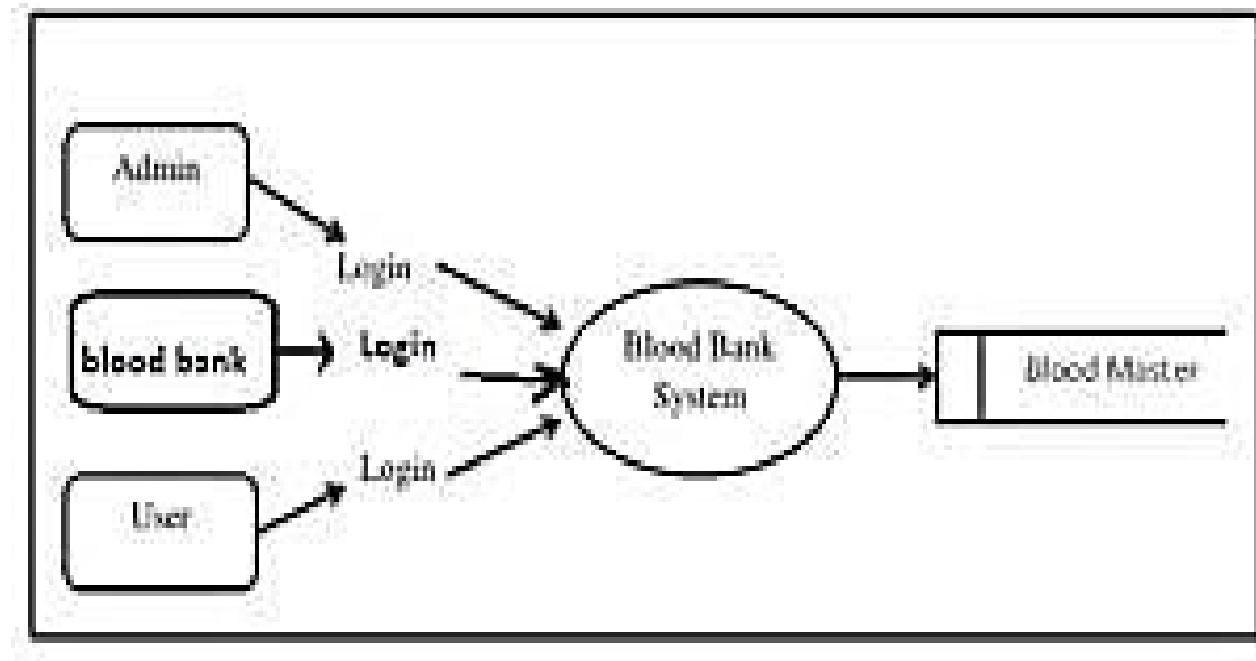
NFR-6

Scalability

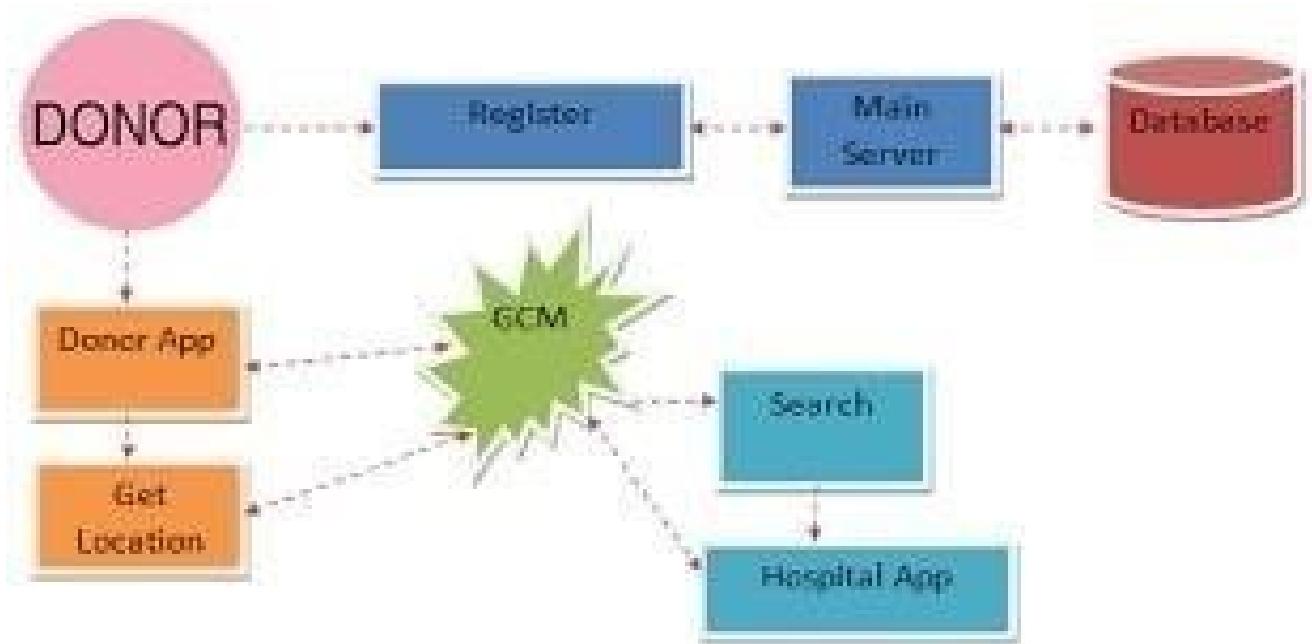
The application has the ability to handle growing numbers of users and load without compromising on performance and causing disruptions to user experience.

5.PROJECT DESIGN

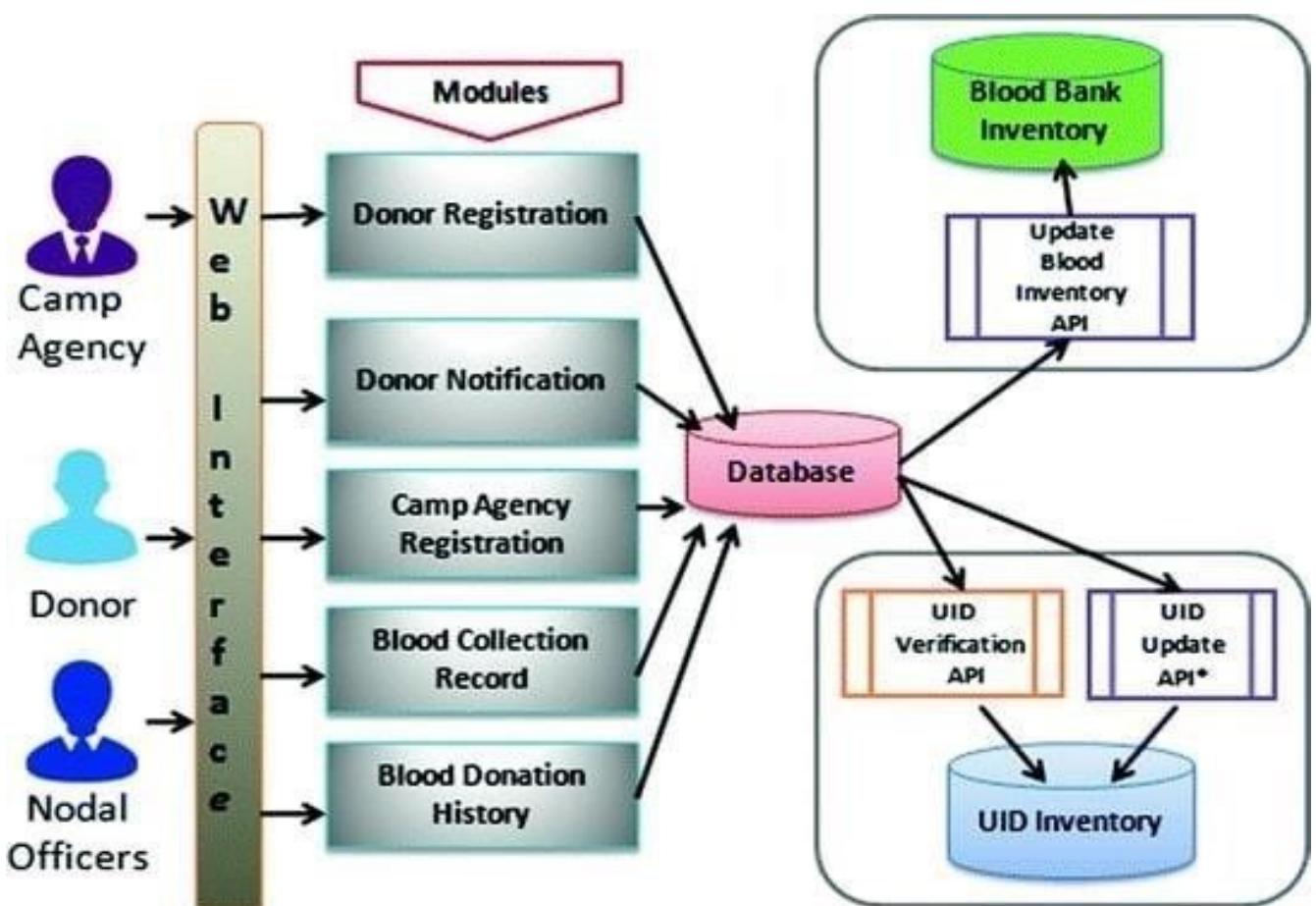
5.1 Data Flow Diagrams



LEVEL 0

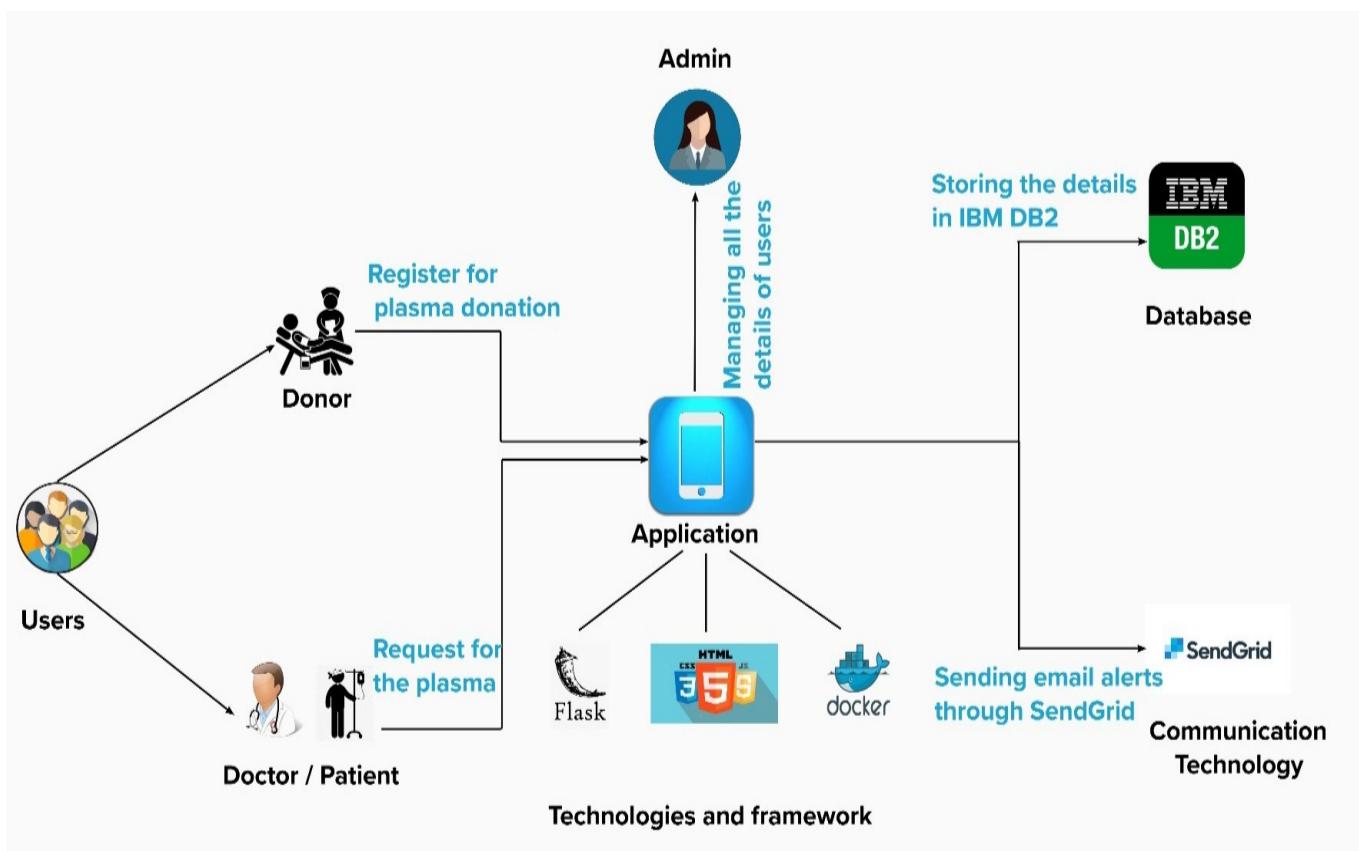


LEVEL 1



LEVEL 2

5.2 Solution & Technical Architecture



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 |
|-----------|-------------------------------|-------------------|---|--|
| 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 |
| | Login | USN-2 | As a user, I can log into the application by entering email & password | I can receive confirmation email & click confirm |

| | | | | |
|----------------|---|-------|---|---|
| | Register For Donate | USN-3 | As a user, I can log into the application and find the current bank to donate plasma and confirm my booking | I can register & access the dashboard with Facebook Login |
| patient/doctor | Find the bank | USN-4 | As a patient, I can directly access the application and find the plasma available bank | I can access my account / dashboard |
| | Request for plasma | USN-5 | As a user, I can enter into the application and find the current bank and request for plasma and state the emergency | I can register & access the dashboard with Facebook Login |
| Administrator | Maintain the applications | USN-6 | As Administrator I can log into the application by entering email & password and maintaining details for users | I can access my account / dashboard |
| | Connect The Bank With Users | USN-7 | As Administrator, i can hold the good communication between bank and user | I can access my account / dashboard |
| | Maintain Database | USN-8 | As Administrator i can hold the exact details of donor and patient and also bank for requesting and available of plasma | I can access my account / dashboard |
| Plasma Bank | Connect The Bank With Users | USN-7 | As Bank, i can hold the good communication between Administrator and user | I can access my account / dashboard |
| | Maintain Database | USN-8 | As Bank i can hold the exact details of donor and patient and also bank for requesting and available of plasma | I can access my account / dashboard |
| BOT | Help the user my bot message in application | USN-9 | As AI bot, i can hold the good communication between bank and user also help the user | I can access my account / dashboard |

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

| 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 | Giri S |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Jotheeswaran H |
| Sprint-1 | | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Naveenkmar M |
| Sprint-1 | | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Nithesh Kumar M |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Giri S |
| Sprint-1 | Dashboard | USN-6 | As a user, I can access the website in a second. | 2 | High | Jotheeswaran H |
| Sprint-1 | Dashboard | USN-7 | As a user, If I Logged in correctly, I can view my dashboard and I can navigate to any pages which are already listed there. | 2 | High | Naveenkumar M |
| Sprint-2 | User Profile | USN-8 | As a user, I can view and update my details | 2 | Medium | Nithesh Kumar M |

6.2 : Sprint Delivery Schedule

| Total Story Points | DURATION | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|--------------------|----------|-------------------|---------------------------|---|------------------------------|
| 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |

| | | | | | |
|----|--------|-------------|-------------|----|-------------|
| 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

6.3 : Reports From JIRA

Plasma Donor Application - Agile

Projects / Plasma Donor Application

Backlog

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Roadmap

Backlog

Board

Code

Project pages

Add shortcut

Project settings

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Quickstart

29°C Haze 14:48 28-10-2022

WhatsApp PDA board - Agile board - Jira + giri2002.atlassian.net/jira/software/projects/PDA/boards/1

Jira Software Your work Projects Filters Dashboards People Apps Create Search

Plasma Donor Application... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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All sprints

TO DO 5 ISSUES IN PROGRESS 7 ISSUES IN REVIEW DONE

As a user, I can view and update my details
USER PROFILE PDA-8

As a user, I can register for the application by entering my email, password, and confirming my password.
REGISTRATION PDA-1

As a user, I will receive confirmation email once I have registered for the application
REGISTRATION PDA-2

As a user, I can store my details and data in the website.
DATABASE PDA-9

As a user, I can upload my photo,resume and much more in the website.
CLOUD STORAGE PDA-10

Quickstart

29°C Haze 1451 28-10-2022

WhatsApp Plasma Donor Application - Agile + giri2002.atlassian.net/jira/software/projects/PDA/boards/1/backlog

Jira Software Your work Projects Filters Dashboards People Apps Create Search

Plasma Donor Application... Software project

PLANNING Roadmap Backlog Board

DEVELOPMENT Code Project pages Add shortcut Project settings

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Backlog

PDA Sprint 1 24 Oct – 29 Oct (7 issues)

PDA-1 As a user, I can register for the application by entering my email, password, and confirming my password. REGISTRATION

PDA-2 As a user, I will receive confirmation email once I have registered for the application REGISTRATION

PDA-3 As a user, I can register for the application through Facebook REGISTRATION

PDA-4 As a user, I can register for the application through Gmail REGISTRATION

PDA-5 As a user, I can log into the application by entering email & password LOGIN

PDA-6 As a user, I can access the website in a second. DASHBOARD

PDA-7 As a user, If I Logged in correctly, I can view my dashboard and I can navigate to any pages which are already listed there.

+ Create issue

16_Gin_S

Unassigned Automatic jotheeswaran183 naveenmp64 nithachikumar220602

PDA Sprint 2 31 Oct – 5 Nov (5 issues)

Quickstart

29°C Haze 1450 28-10-2022

| | OCT 20 | 21 | 22 | 23 | 24 | 25 | 26 | OCT 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | NOV 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | NOV 14 |
|------------------------------|-----------|----|----|----|----|----|----|-----------|----|----|----|----|---|---|---|--------------|--------------|---|---|---|---|----|----|----|----|-----------|
| Sprints | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-22 REGISTRATION | | | | | | | | | | | | | | | | PDA Sprint 1 | | | | | | | | | | |
| > PDA-23 LOGIN | | | | | | | | | | | | | | | | | PDA Sprint 2 | | | | | | | | | |
| > PDA-24 DASHBOARD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-25 USER PROFILE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-26 DATABASE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-27 CLOUD STORAGE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-28 CHATBOT | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-29 IDENTITY AWARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-30 SEND GRID SERVICE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-31 LEARING RESOURCE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-32 DOCKER | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-33 KUBERNETES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-34 DEPLOYMENT IN CLOUD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-35 TECHNICAL SUPPORT | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-36 UNIT TESTING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-37 INTEGRATION TESTING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > PDA-38 SYSTEM TESTING | | | | | | | | | | | | | | | | | | | | | | | | | | |

7. CODING & SOLUTIONING

login.html

<<<<<< HEAD

```
.gradient-custom-2 {
/* fallback for old browsers */
background: #fccb90;
```

```
/* Chrome 10-25, Safari 5.1-6 */
```

```
background: -webkit-linear-gradient(to right, #ee7724,  
#d8363a, #dd3675, #b44593);  
  
/* W3C, IE 10+/ Edge, Firefox 16+, Chrome 26+, Opera  
12+, Safari 7+ */  
background: linear-gradient(to right, #ee7724, #d8363a,  
#dd3675, #b44593);  
}
```

```
@media (min-width: 768px) {  
.gradient-form {  
height: 100vh !important;  
}  
}  
  
@media (min-width: 769px) {  
.gradient-custom-2 {  
border-top-right-radius: .3rem;  
border-bottom-right-radius: .3rem;  
}  
=====  
.gradient-custom-2 {  
/* fallback for old browsers */  
background: #fccb90;
```

```
/* Chrome 10-25, Safari 5.1-6 */
background: -webkit-linear-gradient(to right, #ee7724,
#d8363a, #dd3675, #b44593);

/* W3C, IE 10+/ Edge, Firefox 16+, Chrome 26+, Opera
12+, Safari 7+ */
background: linear-gradient(to right, #ee7724, #d8363a,
#dd3675, #b44593);
}

@media (min-width: 768px) {
.gradient-form {
height: 100vh !important;
}
}

@media (min-width: 769px) {
.gradient-custom-2 {
border-top-right-radius: .3rem;
border-bottom-right-radius: .3rem;
}
>>>>> f7575a599e8f64dd620a02c88ed095e491194af1
}
```

main.py

```
<<<<< HEAD
from flask import
Flask,redirect,url_for,render_template,request,make_resp
onse
import ibm_db

conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=764
264db-9824-4b7c-82df-
40d1b13897c2.bs2io90l08kqb1od8lcg.databases.appdoma
in.cloud;PORT=32536;SECURITY=SSL;SSLServerCerti
ficate=abc.crt;UID=gnq12618;PWD=0glS4tFaR2ciK8fB"
,"")
print(conn)
print("connection successful...")
app = Flask(__name__)

@app.route('/home')
def home():
```

```
return render_template("home.html")

@app.route('/login',methods=['POST','GET'])
def login():
    if request.method=='POST':
        username = request.form['username']
        password = request.form['password']
        sql = "select * from user where username=? and password=?"
        stmt = ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        dic = ibm_db.fetch_assoc(stmt)
        print(dic)
        if dic:
            return redirect(url_for('home'))
        else:
            return redirect(url_for('login'))
    return redirect(url_for('home'))

elif request.method=='GET':
    return render_template('login.html')
```

```
@app.route('/signup',methods=['POST','GET'])
def signup():
    if request.method=='POST':
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        roll_no = request.form['roll_no']
        sex = request.form['sex']
        age = request.form['age']
        address = request.form['address']
        blood_group = request.form['blood_group']
        sql = "insert into user values(?,?,?,?,?,?,?,?,?,?)"
        prep_stmt = ibm_db.prepare(conn,sql)
        ibm_db.bind_param(prep_stmt,1,username)
        ibm_db.bind_param(prep_stmt,2,email)
        ibm_db.bind_param(prep_stmt,3,password)
        ibm_db.bind_param(prep_stmt,4,roll_no)
        ibm_db.bind_param(prep_stmt,5,sex)
        ibm_db.bind_param(prep_stmt,6, age)
        ibm_db.bind_param(prep_stmt,7, "USER")
        ibm_db.bind_param(prep_stmt,8, address)
        ibm_db.bind_param(prep_stmt,9, blood_group)
        ibm_db.execute(prep_stmt)
```

```
#db post operation
    return redirect(url_for('login'))
elif request.method=='GET':
    return render_template('signup.html')

if __name__=='__main__':
=====
from flask import
Flask,redirect,url_for,render_template,request,make_response
import ibm_db

conn = window.watsonAssistantChatOptions = {
    integrationID: "e1e25abc-12d8-4c79-b356-
637367ad15cb", // The ID of this integration.
    region: "au-syd", // The region your integration is
hosted in.
    serviceInstanceID: "98ebe606-3242-4954-b3eb-
8389dc1ec309", // The ID of your service instance.
    onLoad: function(instance) { instance.render(); }
print(conn)
print("connection successful...")
```

```
app = Flask(__name__)

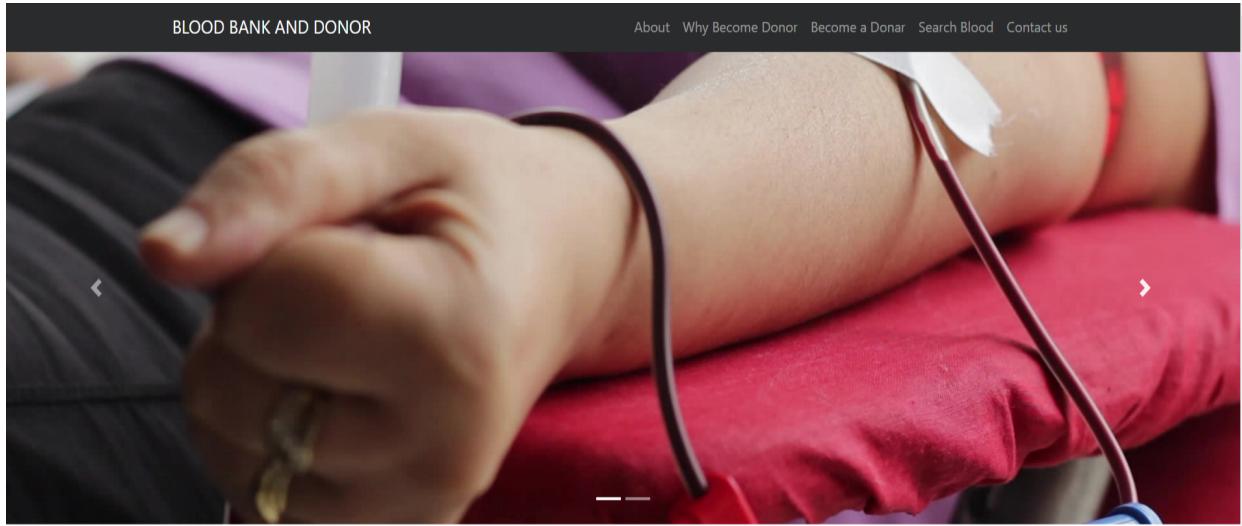
@app.route('/home')
def home():
    return render_template("home.html")

@app.route('/login',methods=['POST','GET'])
def login():
    if request.method=='POST':
        username = request.form['username']
        password = request.form['password']
        sql = "select * from user where username=? and password=?"
        stmt = ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        dic = ibm_db.fetch_assoc(stmt)
        print(dic)
        if dic:
```

```
        return redirect(url_for('home'))  
    else:  
        return redirect(url_for('login'))  
    return redirect(url_for('home'))  
elif request.method=='GET':  
    return render_template('login.html')  
  
@app.route('/signup',methods=['POST','GET'])  
def signup():  
    if request.method=='POST':  
        username = request.form['username']  
        email = request.form['email']  
        password = request.form['password']  
        roll_no = request.form['roll_no']  
        sex = request.form['sex']  
        age = request.form['age']  
        address = request.form['address']  
        blood_group = request.form['blood_group']  
        sql = "insert into user values(?,?,?,?,?,?,?,?)"  
        prep_stmt = ibm_db.prepare(conn,sql)  
        ibm_db.bind_param(prep_stmt,1,username)  
        ibm_db.bind_param(prep_stmt,2,email)  
        ibm_db.bind_param(prep_stmt,3,password)
```

```
    ibm_db.bind_param(prep_stmt,4,roll_no)
    ibm_db.bind_param(prep_stmt,5,sex)
    ibm_db.bind_param(prep_stmt,6, age)
    ibm_db.bind_param(prep_stmt,7, "USER")
    ibm_db.bind_param(prep_stmt,8, address)
    ibm_db.bind_param(prep_stmt,9, blood_group)
    ibm_db.execute(prep_stmt)
    #db post operation
    return redirect(url_for('login'))
elif request.method=='GET':
    return render_template('signup.html')

if __name__=='__main__':
>>>>> f7575a599e8f64dd620a02c88ed095e491194af1
    app.run(debug = True)
```



Welcome to Plasma Donor Application

The need for blood

The reason to donate is simple...it helps save lives. In fact, every two seconds of every day, someone needs blood.

Blood Tips

Donating blood removes fluids from the body. A person can help restore them by drinking water, broth, or herbal tea. The American Red

Who you could Help

Group B can donate red blood cells to B's and AB's. Group A can donate red blood cells to A's and AB's. Group O can donate red blood cells to

BLOOD BANK AND DONOR

About Why Become Donor Become a Donor Search Blood Contact us

Become a Donor

[Home](#) / Become a Donor

Full Name*

Boopalan G

Mobile Number*

8098611625

Email Id*

boopalan2002@gmail.com

Age*

23

Gender*

Male

Blood Group*

A-

Address*

Erode

Message

submit

"Donate Your BloodFor A Reason ,Let Reason To Be Life"

Team Id-PNT2022TMID32253

..THANKS FOR VISITING US..

Search Donor

[Home](#) / Search Donor

Blood Group*

A-

Location

Erode

submit

"Donate Your BloodFor A Reason ,Let Reason To Be Life"

Team Id-PNT2022TMID32253

..THANKS FOR VISITING US..

About Us

[Home](#) / About Us

WE are private blood bank.Blood banking is the process that takes place in the lab to make sure that donated blood, or blood products, are safe before they are used in blood transfusions and other medical procedures. Blood banking includes typing the blood for transfusion and testing for infectious diseases.

"Donate Your BloodFor A Reason ,Let Reason To Be Life"

Team Id-PNT2022TMID32253

..THANKS FOR VISITING US..

Why Become Donor

[Home](#) / Why Become Donor

Safe blood saves lives.

A blood donation is truly an altruistic gift that an individual can give to others in need. In only 45-60 minutes, an eligible individual can donate one unit of blood that can be separated into four individual components that could help save multiple lives.

"Donate Your Blood For A Reason, Let Reason To Be Life"

Team Id-PNT2022TMID32253

..THANKS FOR VISITING US..

Welcome to Plasma Donor Application

The need for blood

The reason to donate is simple...it helps save lives. In fact, every two seconds of every day, someone needs blood.

Blood Tips

Donating blood removes fluids from the body. A person can help restore them by drinking water, broth, or herbal tea. The American Red Cross recommend drinking an extra 4 glasses, or 32 ounces, of liquid in the first 24 hours after donating blood.

Who you could Help

Group B can donate red blood cells to B's and AB's. Group A can donate red blood cells to A's and AB's. Group O can donate red blood cells to anybody. It's the universal donor.

Some of the Donar

Agalya
Gender : Female
Blood Group : A+

Tom
Gender : Male
Blood Group : AB-

Naveen Kumar
Gender : Male
Blood Group : A-

IBM | IBM-Project-1 | IBM-14532-16 | Wokwi - Online | IBM | IBM-13824-16 | BloodBank & | BloodBank & | BloodBank & | 88DMS | Adm | +

localhost/bloodbank/bloodbank/bbdms/index.php

BLOOD BANK AND DONOR

About Why Become Donor Become a Donor Search Blood Contact us

Blood Group : O+ Blood Group : O+ Blood Group : O-

BLOOD GROUPS

blood group of any human being will mainly fall in any one of the following groups.

- A positive or A negative
- B positive or B negative
- O positive or O negative
- AB positive or AB negative.

A healthy diet helps ensure a successful blood donation, and also makes you feel better! Check out the following recommended foods to eat prior to your donation.



UNIVERSAL DONORS AND RECIPIENTS

The most common blood type is O, followed by type A. Type O individuals are often called "universal donors" since their blood can be transfused into persons with any blood type. Those with type AB blood are called "universal recipients" because they can receive blood of any type.

Become a Donar

"Donate Your BloodFor A Reason ,Let Reason To Be Life"
Team Id-PNT2022TMID32253
.THANKS FOR VISITING US..

BloodBank & Donor Management System

Account

MAIN

- Dashboard
- Blood Group
- Add Donor
- Donor List
- Manage Contact Query
- Manage Pages
- Update Contact Info

Dashboard

12 LISTED BLOOD GROUPS FULL DETAIL →

14 REGISTERED BLOOD GROUP FULL DETAIL →

3 TOTAL QUERIES FULL DETAIL →

BloodBank & Donor Management System



Account

MAIN

- [Dashboard](#)
- [Blood Group](#)
- [Add Donor](#)
- [Donor List](#)
- [Manage Contact Query](#)
- [Manage Pages](#)
- [Update Contact Info](#)

| # | Name | Mobile No | Email | Age | Gender | Blood Group | address | Message | action |
|---|--------------|-------------|--------------------------|------|--------|-------------|--|---|---|
| 1 | Tom | 35345435345 | | Male | 26 | AB- | | Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. | Make Hidden Delete |
| 2 | Robert Dr | 8569855244 | robert@test.com | Male | 32 | A- | Test Demo | Test demo Test demoTest demoTest demoTest demoTest demoTest demoTest demoTest demoTest demoTest demo | Make Hidden Delete |
| 3 | ARJUN | 1234567890 | | Male | 50 | B- | | SDFGHJLJKHGFCH | Make Hidden Delete |
| 4 | Giri | 63820532987 | girisadhasivam@gmail.com | Male | 23 | O+ | Erode | I ready to donate | Make Hidden Delete |
| 5 | Hari | 12345678 | vagjhsjdhk@gmail.com | Male | 23 | A- | Erode | I ready to donate | Make Hidden Delete |
| 6 | pon pandian | 1234567890 | aaaa@gmail.com | Male | 21 | O+ | aaaa bbbb ccc | aaaa | Make Hidden Delete |
| 7 | Naveen | 1234567890 | msdzfghj@gmail.com | Male | 34 | A- | fxghjbkhg kjlhugyftdgchjk jytdr 654125 | | Make Hidden Delete |
| 8 | Naveen Kumar | 09360610830 | navenmp65@gmail.com | Male | 23 | A- | 1/586, knp colony, kumarapalyam 1/586, knp colony, | | Make Hidden Delete |

BloodBank & Donor Management System



Account

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Manage Blood Groups

LISTED BLOOD GROUPS

| Show | entries | Search: | |
|------|------------------|---------------------|-------------------|
| 10 | | | |
| # | Blood Groups/th> | Creation Date | Action |
| 1 | A- | 2017-07-01 02:03:50 | X |
| 2 | AB- | 2017-07-01 02:04:00 | X |
| 3 | O- | 2017-07-01 02:04:05 | X |
| 4 | A- | 2017-07-01 02:04:10 | X |
| 5 | A+ | 2017-07-01 02:04:13 | X |
| 6 | AB+ | 2017-07-01 02:04:18 | X |
| 7 | O+ | 2022-11-16 12:33:20 | X |
| 8 | B+ | 2022-11-16 12:33:40 | X |
| 9 | B- | 2022-11-16 12:33:48 | X |
| 10 | A1+ | 2022-11-16 12:34:00 | X |
| # | Brand Name | Creation Date | Action |

Showing 1 to 10 of 11 entries

PREVIOUS 1 2 NEXT

MAIN

-  Dashboard
-  Blood Group
-  Add Donor
-  Donor List
-  Manage Contact Query
-  Manage Pages
-  Update Contact Info

Update Contact Info

FORM FIELDS

| | |
|----------------|--------------------------|
| Address | Erode |
| Email id | girisadhasivam@gmail.com |
| Contact Number | 6382053298 |

8. Testing

8.1 Performance Testing

| S.No. | Parameter | Values | Screenshot |
|-------|----------------|---|--|
| 1. | Metrics | <p>Regression Model: Logistic Regression Classification Model:</p> <ul style="list-style-type: none">Confusion Matrix - [[0 5] [1 74]]Accuracy Score - 92.500000Recall Score - 98.666667ROC Score - 49.333333Classification Report: precision - 0.88 support - 80 f1-score - 0.90 recall - 0.93 |  |
| 2. | Tune The Model | Hyper parameter Tuning: Tuning: (GridSearchCV) clf.best_score_ - 0.921875 Validation Method - GridSearchCV (<code>estimator=SVC()</code>) |  |

8.2 User Acceptance Testing

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the Exploratory Analysis Of Rainfall Data In India For Agriculture project at the time of the release to User Acceptance Testing (UAT).

2. 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 | 10 | 4 | 2 | 3 | 20 |
| Duplicate | 1 | 0 | 3 | 0 | 4 |
| External | 2 | 3 | 0 | 1 | 6 |
| Fixed | 11 | 2 | 4 | 20 | 37 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| Skipped | 0 | 0 | 1 | 1 | 2 |
| Won't Fix | 0 | 5 | 2 | 1 | 8 |
| Totals | 24 | 14 | 13 | 26 | 77 |

3. Test Case Analysis

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

| Section | Total Cases | Not Tested | Fail | Pass |
|--------------------|-------------|------------|------|------|
| Print Engine | 7 | 0 | 0 | 7 |
| Client Application | 30 | 0 | 0 | 30 |
| Security | 2 | 0 | 0 | 2 |

| | | | | |
|---------------------|---|---|---|---|
| Outsource Shipping | 3 | 0 | 0 | 3 |
| Exception Reporting | 9 | 0 | 0 | 9 |
| Final Report Output | 4 | 0 | 0 | 4 |
| Version Control | 2 | 0 | 0 | 2 |

9. RESULTS

9.1 Performance Metrics

Software quality is a measurement of something intangible, “how good” a software product really is. Some of the aspects of software quality taken are

- a. Scalability
- b. Speed
- c. Stability
- d. Reliability
- e. Security
- f. Maintainability and code quality

LOAD TEST

| | |
|--------------------|---|
| Scenario Name | Load Test – Plasma Donor application |
| Scenario Type | Load Test – Duration 1 hour |
| Scenario Objective | To Simulate the peak load and to monitor the performance of the Website |
| Steps | The online load will be maintained at steady state |
| Entry Criteria | The online load will be maintained at steady state |
| Exit Criteria | The online load will be maintained at steady state |

STRESS TEST

| | |
|--------------------|--|
| Scenario Name | Stress Test - Plasma Donor application |
| Scenario Type | Stress Test |
| Scenario Objective | Objective is to verify that the application can handle the projected growth and to discover the breaking point |
| Steps | Ramp up to 150% of peak volume and continuously increase load until breaking point |
| Entry Criteria | All the monitors are in place Test Data is set up Peak load test completed successfully |
| Exit Criteria | Test completion report is agreed upon as per expectation |

ENDURANCE / SOAK TEST:

| | |
|--------------------|---|
| Scenario Name | Soak Test - Exploratory Analysis of Rainfall Data in India for Agriculture |
| Scenario Type | Endurance – Duration 8 hours |
| Scenario Objective | To discover memory issues and bottlenecks that might occur under daily usage of the application |
| Steps | Steady state is maintained for 8 hours with half of the peak load |
| Entry Criteria | All the monitors are in place Test Data is set up Peak load test completed successfully |
| Exit Criteria | Test completion report is agreed upon as per expectation |

10. ADVANTAGES :

- Have internal or external bleeding due to an injury
- Have sickle cell disease or another illness that affects the blood
- Are undergoing cancer treatment
- Are undergoing surgery, such as cardiovascular or orthopedic surgery
- Have an inherited blood disorder
- Are undergoing a transplant
- Need treatments involving plasma or other blood products

DISADVANTAGES:

Safety precautions they take include:

- screening donors for existing health conditions
- using new needles for each donation
- having professional staff on hand
- providing monitoring and refreshments to ensure a safe recovery

11. CONCLUSION

1. This Website gives accurate Plasma donors information it will very helpful.
2. It helps for whom need blood.

12. FUTURE SCOPE

1. The demand for plasma donor grown rapidly during the last decade and will grow even faster in coming years.
2. Plasma donor application of the state of the atmosphere for a given location using this website
3. It is a special kind of short range forecast carried out for the protection of human life

13. APPENDIX

Source Code:

login.html

```
<Html>
<head>
<title>login</title>
<body>
<br>
<br>
```

```
<center>
<div class="card text-left" style="width: 35rem;">
  <div class="card-body">

    <form action = "{ {url_for('login')} }" method =
"POST">
      <div class="form-group">
        <label for="exampleInputEmail1">Email
address</label>
        <input type="email" name ="email" class="form-
control" id="exampleInputEmail1" aria-
describedby="emailHelp" placeholder="Enter email"
required>
        <small id="emailHelp" class="form-text text-
muted">We'll never share your email with anyone
else.</small>
      </div>
      <div class="form-group">
        <label for="exampleInputPassword1">Password</label>
        <input type="password" name ="pass" class="form-
control" id="exampleInputPassword1"
placeholder="Password" required>
      </div>
```

```
<button type="submit" class="btn btn-primary">Login</button>
</form>
```

```
</div>
</div>
</center>
</body>
</html>
```

Signup.html

```
<Html>
<head>
<title>login</title>
<body>
<center>
<div class="card text-left" style="width: 35rem;">
<div class="card-body">
<div class="form-group">
<form action = "{ {url_for('addrec')}}" method =
"POST">
<h3>Register as Donor</h3>
<label for="name">Name</label>
```

```
<input type = "text" name = "nm" class="form-control" required/>
```

```
<label for="addr">Address</label>
<textarea name = "add" class="form-control"
required></textarea>
```

```
<label for="city">City</label>
<input type = "text" name = "city" class="form-control" required/>
```

```
<label for="pin">postal code</label>
<input type = "text" name = "pin" class="form-control" required/>
```

```
<label for="Bloodgroup">Blood Group</label>
<select name="bg" class="form-control"
id="exampleFormControlSelect1">
    <option value="O+" selected>O+</option>
    <option value="O-">O-</option>
    <option value="A+">A+</option>
    <option value="A-">A-</option>
    <option value="B+">B+</option>
```

```
<option value="B-">B-</option>
<option value="AB+">AB+</option>
<option value="AB-">AB-</option>
</select>

<label for="exampleInputEmail1">Email
address</label>
<input type = "text" name ="email" class="form-
control" required/>

<label
for="exampleInputPassword1">Password</label>
<input type = "password" name ="pass"
class="form-control" required/>
<br>
<button type="submit" class="btn btn-
primary">Register</button>
</form>
</div>
</div>
</center>
</body>
</html>
```

Requestdonor.html

```
<!doctype html>
{%
    extends "base.html"
}
{% block content %}
    {% with messages =
        get_flashed_messages() %}

    {% if messages %}
        {% for mess in messages %}
            <div class="alert alert-warning alert-dismissible fade
show" role="alert">
                <strong>{{mess}}</strong>
                <button type="button" class="close" data-dismiss="alert"
aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
        {% endfor %}
    {% endif %}
    {% endwith %}

    {% if session['logged_in'] == True %}
    {% else %}
    {% endif %}
```

```
<br>
```

```
<div class="card border-danger text-center">
  <div class="card-header">Total Blood in Blood
  bank</div>
  <div class="card-body text-danger">
    <h5 class="card-title"><span class='numscroller'
  data-min='1' data-max='{ {totalblood} }' data-delay='5'
  data-increment='10'>{ {totalblood} }</span> pints</h5>
  </div>
</div>
```

```
<br>
```

```
<div class="container">
<div class="row">
  <div class="col"><div class="card text-white bg-
  primary mb-3" style="max-width: 18rem;">
    <div class="card-header">A positive</div>
    <div class="card-body">
      <h5 class="card-title"><span class='numscroller' data-
```

```
min='1' data-max='{ {bloodtypestotal.apos} }' data-
delay='5' data-
increment='10'>{ {bloodtypestotal.apos} }</span>
pints</h5>

</div>
</div></div>

<div class="col"><div class="card text-white bg-
secondary mb-3" style="max-width: 18rem;">
    <div class="card-header">A negative</div>
    <div class="card-body">
        <h5 class="card-title"><span class="count"><span
class='numscroller' data-min='1' data-
max='{ {bloodtypestotal.aneg} }' data-delay='5' data-
increment='10'>{ {bloodtypestotal.aneg} }</span></span>
pints</h5>

    </div>
    </div></div>

    <div class="col"><div class="card text-white bg-
success mb-3" style="max-width: 18rem;">
        <div class="card-header">B positive</div>
        <div class="card-body">
```

```
<h5 class="card-title"><span class='numscroller' data-
min='1' data-max='{{bloodtypestotal.bpos}}' data-
delay='5' data-
increment='10'>{{bloodtypestotal.bpos}}</span>
pints</h5>
```

```
</div>
</div></div>
<div class="col"><div class="card text-white bg-
danger mb-3" style="max-width: 18rem;">
<div class="card-header">B negative</div>
<div class="card-body">
<h5 class="card-title"><span class='numscroller' data-
min='1' data-max='{{bloodtypestotal.bneg}}' data-
delay='5' data-
increment='10'>{{bloodtypestotal.bneg}}</span>
pints</h5>
```

```
<p class="card-text"></p>
</div>
</div></div>
```

```
<div class="w-100"></div>
```

```
<div class="col"><div class="card text-white bg-warning mb-3" style="max-width: 18rem;">
    <div class="card-header">AB positive</div>
    <div class="card-body">
        <h5 class="card-title"><span class='numscroller' data-min='1' data-max='{ {bloodtypestotal.abpos} }' data-delay='5' data-increment='10'>{ {bloodtypestotal.abpos} }</span> pints</h5>

    </div>
</div></div>
<div class="col"><div class="card text-white bg-info mb-3" style="max-width: 18rem;">
    <div class="card-header">AB negative</div>
    <div class="card-body">
        <h5 class="card-title"><span class="count"><span class='numscroller' data-min='1' data-max='{ {bloodtypestotal.abneg} }' data-delay='5' data-increment='10'>{ {bloodtypestotal.abneg} }</span></span> pints</h5>

    </div>
```

```
</div></div>

<div class="col"><div class="card bg-light mb-3"
style="max-width: 18rem;">
    <div class="card-header">O positive</div>
    <div class="card-body">
        <h5 class="card-title"><span class="count"><span
class='numscroller' data-min='1' data-
max='{ {bloodtypestotal.opos} }' data-delay='5' data-
increment='10'>{ {bloodtypestotal.opos} }</span>
pints</h5>

</div>
</div></div>

<div class="col"><div class="card text-white bg-dark
mb-3" style="max-width: 18rem;">
    <div class="card-header">O negtive</div>
    <div class="card-body">
        <h5 class="card-title"><span class="count"><span
class='numscroller' data-min='1' data-
max='{ {bloodtypestotal.oneg} }' data-delay='5' data-
increment='10'>{ {bloodtypestotal.oneg} }</span>
pints</h5> </div>
</div></div>
```

```
<div class="alert alert-primary" role="alert">
<h4>blood donatations and their details</h4>{%
  for row
  in rows %}
  <div class="card">
    <h5 class="card-
header">{{row["donorname"]}}</h5>
    <div class="card-body">
      <h5 class="card-title">{{row["type"]}}</h5>
      <p class="card-text">{{row["donoremail"]}}
      {{row['donorsex']}}
      {{row['qty']}} pints
      {{row['dweight']}} kg's
      {{row['phone']}}</p>
      <div class="row">
        <div class="col">
          <form action="{{url_for('editdonor', id=row['id'])}}"
method="GET">
            <input type="submit" class="btn btn-primary"
name="button" value="edit"/>
          </form>
        </div>
        <div class="col">
          <form
```

```
action="{{url_for('deletebloodentry',id=row['id'])}}"
method="GET">
    <input type="submit" name="button" class="btn btn-
danger" value="delete entry"/>
</form>
{%
    endfor %}

<br>
<nav aria-label="breadcrumb">
    <ol class="breadcrumb">
        <li class="breadcrumb-item active" aria-
current="page"> Registered donores:</li>
    </ol>
    <table class="table">
        <thead>
            <tr>
                <th scope="col">name</th>
                <th scope="col">address</th>
                <th scope="col">city</th>
                <th scope="col">pin</th>
                <th scope="col">blood group</th>
                <th scope="col">email</th>
                <th scope="col">contact them</th>
                <th scope="col">delete</th>
            
```

```
</thead>{% for r in users %}

<tr>

    <td>{{r["name"]}}</td>
    <td>{{r["addr"]}}</td>
    <td>{{r["city"]}}</td>
    <td>{{r['pin']}}</td>
    <td>{{r['bg']}}</td>
    <td>{{r['email']}}</td>
    <td><button type="button" class="btn btn-primary mt-1" data-toggle="modal" data-target="#exampleModalCenter">
        contact for blood
    </button>
    <div class="modal fade" id="exampleModalCenter" tabindex="-1" role="dialog" aria-labelledby="exampleModalCenterTitle" aria-hidden="true">
        <div class="modal-dialog modal-dialog-centered" role="document">
            <div class="modal-content">
                <div class="modal-header">
                    <h5 class="modal-title" id="exampleModalCenterTitle">contact for blood</h5>
```

```
<button type="button" class="close" data-
dismiss="modal" aria-label="Close">
    <span aria-hidden="true">&times;</span>
</button>
</div>
<div class="modal-body">
    <form method="POST"
action="{{url_for('contactforblood',emailid=r['email'])}}>
        <label for="name">Name</label>
        <input type = "text" name = "nm"
value="admin@bloodbank.com" class="form-control"
required/>
        <label for="addr"> confirm your Address</label>
        <input type="text" name="add" class="form-
control" value="admin's address" required></textarea>
        <button type="button" class="btn btn-secondary mt-
1" data-dismiss="modal">Close</button>
        <button type="submit" class="btn btn-primary mt-
1">send request</button>
    </div>
</div>
</div>
```

```
</div>
</td>
    <td><a href =
"{{url_for('deleteuser',useremail=r['email'])}} " class="btn
btn-danger">delete user</a></td>
</tr>
</body>
</html>
```

GITHUB LINK :

<https://github.com/IBM-EPBL/IBM-Project-14532-1659586596>

PROJECT DEMO LINK:

https://drive.google.com/file/d/1ac3Yvdbk4hbs6igSXYuBxJm_DLg-AMaq/view