

A REPORT
ON
PLASMA DONOR APPLICATION

TEAM ID: PNT2022TMID50872

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1. INTRODUCTION

1.1 PROJECT OVERVIEW

Although the government is carrying out COVID vaccination campaigns on a large scale, the number of vaccines produced is not enough for all the population to get vaccinated at present. And with the corona positive cases rising every day, saving lives has become the prime matter of concern. As per the data provided by WHO more than 3 million people have died due to the Corona Virus. However, apart from vaccination, there is another scientific method by which a COVID infected person can be treated and the death risk can be reduced. This plasma therapy is an experimental approach to treat corona-positive patients and help them recover. This plasma therapy is considered to be safe & promising. A person who has recovered from COVID can donate his/her plasma to a person who is infected with the Corona virus. This system proposed here aims at connecting the donors & the patients by an online application. By using this application, the users can either raise a request for plasma donation or requirement.

1.2 PURPOSE

During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request.

2. LITERATURE SURVEY

2.1 EXISTING PROBLEM

Addressing the impact of COVID-19 on transfusion services, there is a potential challenges vix blood/component shortage, donor/staff safety, consumable supply/logistics and catering to the convalescent plasma need

2.2 REFERENCES

[1] ENHANCED MOBILE APPLICATION DEVELOPMENT FOR PLASMA, MOTHER'S MILK AND BLOOD BANKS by Dr. S. Brindha¹, Ms. D. Priya², Mr. S. Ajith Kannan³, Mr. D. Joyal Victor⁴, Mr. R. Gunachandran⁵.

- [2] A Survey paper on ONLINE BLOOD MANAGEMENT SYSTEM by Arpit Pachauri , Galcotias University.
- [3] T. Alanzi and B. Alsaeed, “Use of social media in the blood donation process in Saudi Arabia,” Journal of Blood Medicine, vol. 10, p. 417, 2019.
- [4] T. Wangchuk, K. Wangmo, U. Wangchuk, P. Gyem, P. R.Dhungyel et al., “Need of medium for finding blood donor in Bhutan,” Asian Journal For Convergence In Technology (AJCT), 2018
- [5]V. K. Tatikonda and H. El-Ocla, “Bloodr: blood donor and requester mobile application,” Mhealth, vol. 3, 2017.
- [6] M. S. Hossain, N. Das, M. K. H. Patwary, and M. AlHasan, “Finding the nearest blood donors using dijkstra algorithm,” SISFORMA: Journal of Information Systems (e-Journal), vol. 5, no. 2, pp. 40–44, 2019.

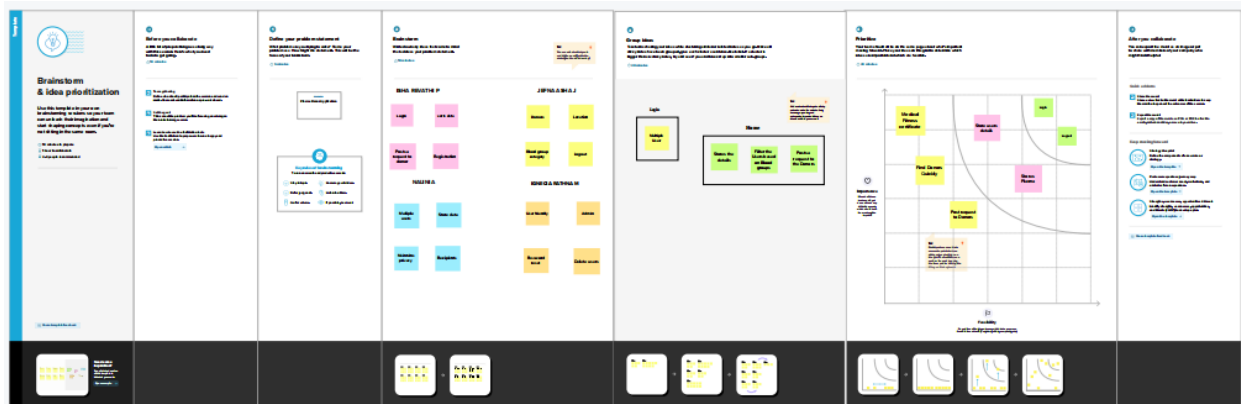
2.3 PROBLEM STATEMENT DEFINITION

Although the government is carrying out COVID vaccination campaigns on a large scale, the number of vaccines produced is not enough for all the population to get vaccinated at present. And with the corona positive cases rising every day, saving lives has become the prime matter of concern. As per the data provided by WHO more than 3 million people have died due to the Corona Virus. However, apart from vaccination, there is another scientific method by which a COVID infected person can be treated and the death risk can be reduced. This plasma therapy is an experimental approach to treat corona-positive patients and help them recover. This plasma therapy is considered to be safe & promising. A person who has recovered from COVID can donate his/her plasma to a person who is infected with the Corona virus. This system proposed here aims at connecting the donors & the patients by an online application. By using this application, the users can either raise a request for plasma donation or requirement

Who does the problem affect?	Patients with immune deficiencies, bleeding disorders and devastating autoimmune diseases
What are the boundaries of the problem?	Patients with immune deficiencies, bleeding disorders and devastating autoimmune diseases

What is the issue?	A better way to connect donors and patients.
When does the issue occur?	<p>Patients lack plasma when they are in trauma and shock.</p> <p>Patients with multiple clotting deficiencies.</p>
Why is it important that we fix the problem?	<p>We can save thousands of people in need.</p> <p>We can boost the patient's blood volume.</p> <p>Helps with blood clotting.</p>
What solution to solve this issue?	<p>The user can interact with the application.</p> <p>Registers by giving the details as a donor.</p> <p>The database will have all the details and if a user posts a request then the concerned blood group donors will get notified about it.</p>
What methodology used to solve the issue?	Cloud Technology and Plasma Donor Application.

3.2 IDEATION AND BRAINSTORMING

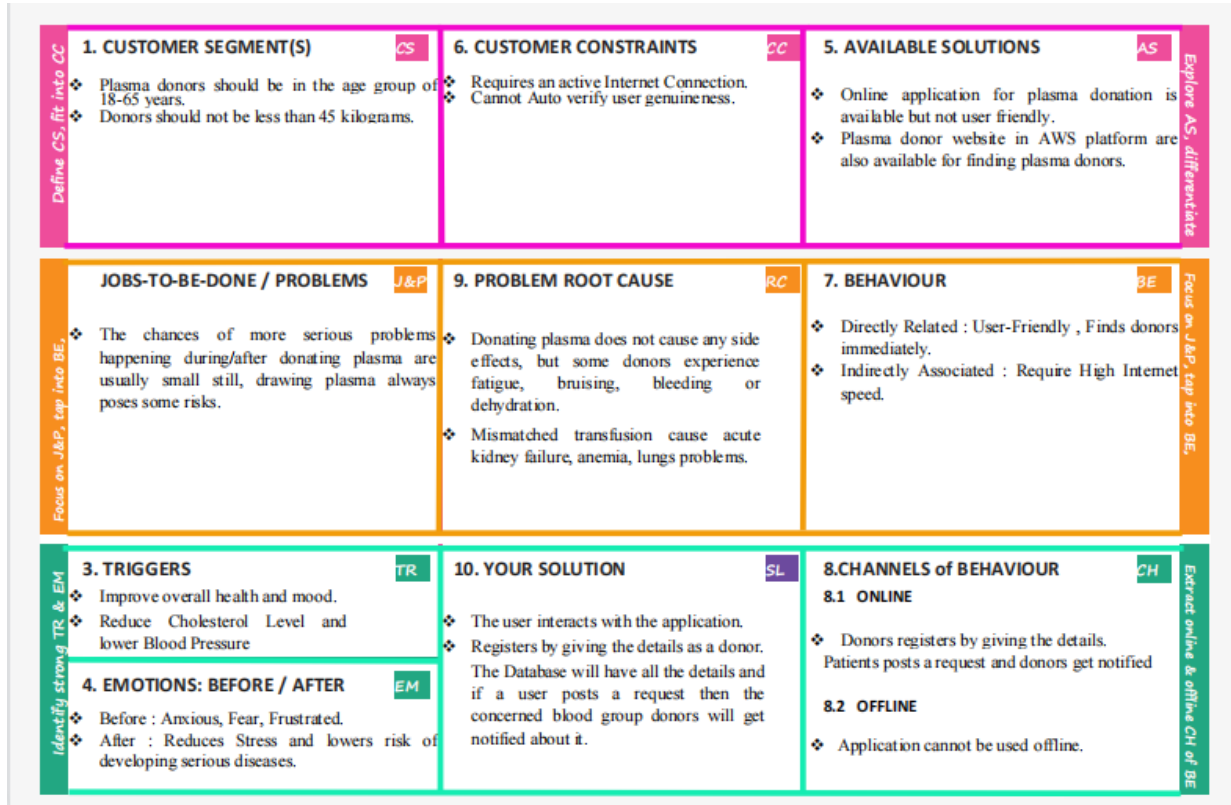


3.3 PROPOSED SOLUTION

SNO	PARAMETER	DESCRIPTION
1.	Problem statement	<input type="checkbox"/> During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. <input type="checkbox"/> Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand.
2.	Idea/Solution Description	<input type="checkbox"/> The user interacts with the application. <input type="checkbox"/> Registers by giving the details such as name, email id, location, etc., of a donor. <input type="checkbox"/> The database will have all the details and if a user posts a request then the concerned blood group donors will get notified about it.
3	Novelty/Uniqueness	<input type="checkbox"/> It will overcome the traditional manual system and therefore few human errors are made. <input type="checkbox"/> Store donors data. <input type="checkbox"/> Searching donors easily. <input type="checkbox"/> It is very easy to find the respective blood group donor when anyone is in need. <input type="checkbox"/> 24x7 support. <input type="checkbox"/> Check the availability of donors
4	Social Impact/User Satisfaction	<input type="checkbox"/> We can save life who are in need of Plasma. <input type="checkbox"/> Find the donor in near places. <input type="checkbox"/> Connect donor and patients easily.
5.	Business Model	We can collaborate with Government, it can utilize this application to help the people who are need of Plasma.
6.	Scalability of the Solution	<input type="checkbox"/> Reduce the death risk due to the plasma scarcity. <input type="checkbox"/> Increase the plasma donors.

		<input type="checkbox"/> User friendly application. <input type="checkbox"/> Finding plasma donors easily.
--	--	---

3.4 PROBLEM SOLUTION-FIT CANVAS



4. REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENTS

FR NO	FUNCTIONAL REQUIREMENTS	SUB REQUIREMENTS
FR-1.	User Authentication	Receiving the plasma request from Clinic, the blood or plasma stock in the plasma Bank Inventory will be searched to match the requested plasma request. Thus matched plasma units will be sent to the Clinic.
FR-2.	Web Service Management Process	Given that software operator has accessed web? application, then the software operator should be able to register through the web application. The donor software operator must provide first name,gender,plasma group, location, contact, software operator name and password.

FR-3	Data Management	Automatic generation of components form donor form based on the date of collection, the system automatically derives the date of expiry and disallows issue of component if unit has expired .
FR-4.	Testing	Applying the algorithms on the test data
FR-5.	Confirmation	Display whether Plasma is available or not

4.2 NON-FUNCTIONAL REQUIREMENTS

FR NO	NON-FUNCTIONAL REQUIREMENTS	DESCRIPTION
FR-1.	Usability	Usability defines how well the application meets the requirements of the user and consumer by being intuitive, easy to localize and globalize, providing good access for disabled users, and resulting in good overall user experience.
FR-2.	Security	Defines how the system should confront the malwares.How well are the system and its data protected against attacks?The plasma donor application Management must be secured with proper user name and passwords.
FR-3.	Reliability	Specifies the probability of the software performing without failure for a specific number of amount of time.Example:The system must perform without failure in 95
FR-4	Performance	The Plasma donor application system must perform well in different scenarios.Deals with the measure of the system's response time under different load conditions.Example:The landing page supporting 5,000 users per hour must provide 6 seconds or less response time in a Chrome desktop browser, including the rendering of text and images. over an LTE connection.

5. PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS

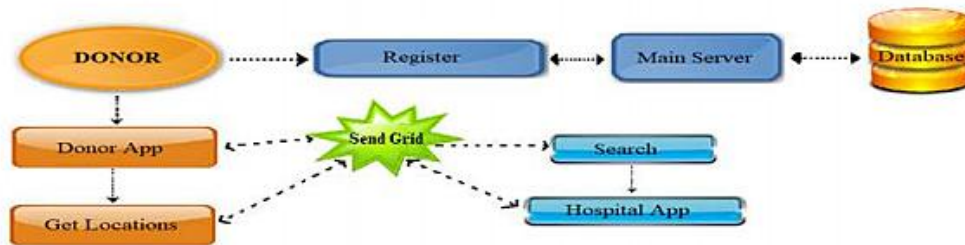
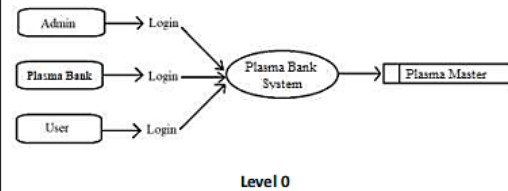
Flow



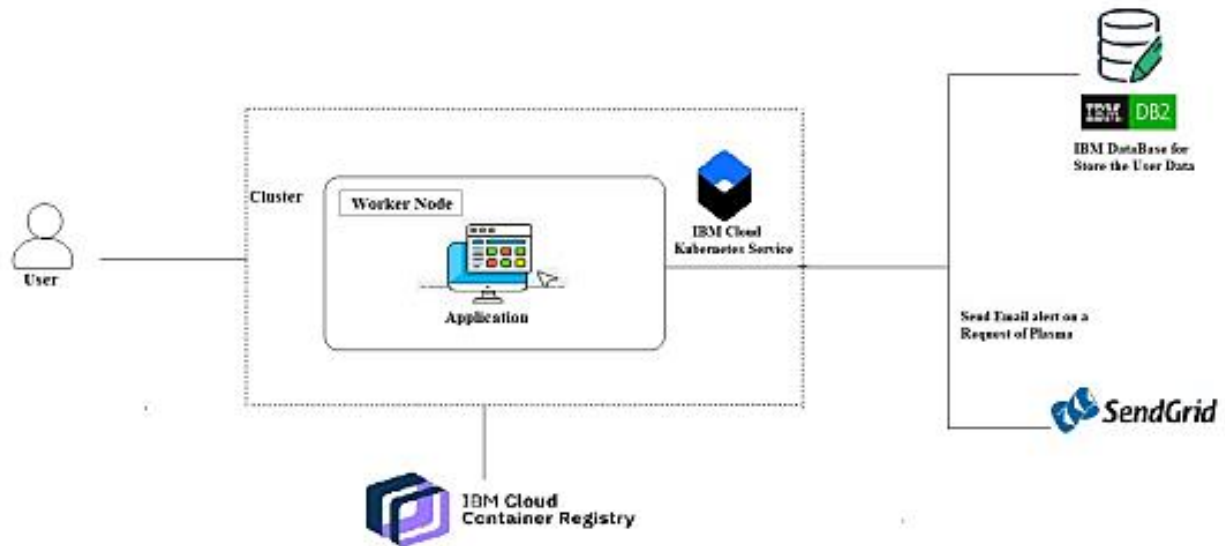
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

Example: [Simplified](#)

Example: DFD Level 0 (Industry Standard)



5.2 SOLUTION AND TECHNICAL ARCHITECTURE



5.3 USER STORIES

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Donor	App Registration	USN-1	As a User, I can register for the application by entering my email, password, and confirming my password.	I can access my Account / Dashboard.	High	Sprint-1
	Login	USN-2	As a User, I can log into the application by entering email & password.	I can receive confirmation Email & click confirm.	High	Sprint-2
	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 their Login.	Medium	Sprint-3
Patient/Doctor	Find the Bank	USN-4	As a User, I can directly access the application and find the plasma available bank.	I can access my Account / Dashboard.	High	Sprint-1,2
	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 their Login.	Medium	Sprint-3
Administrator	Maintain the Applications	USN-6	As Administrator, I can log into the application by entering my email, password and maintaining details for users.	I can access my Account / Dashboard.	High	Sprint-3
	Connect to Bank with Users	USN-7	As Administrator, I can hold the good communication between bank and user.	I can access my Account / Dashboard.	Low	Sprint-4
	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.	Medium	Sprint-4
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.	Medium	Sprint-3
	Maintain Database	USN-8	As Bank, I can hold the details of donor and patient and also bank for requesting and available of plasma.	I can access my Account / Dashboard.	High	Sprint-4
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.	Medium	Sprint-4

6. PROJECT PLANNING AND SCHEDULING

6.1 SPRINT PLANNING AND ESTIMATION

SPRINTS	FUNCTIONAL REQUIREMENT	USER STORIES	USER STORY	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.	3	High	4
Sprint - 2	LOGIN	USN-2	As a user, I can login to the application by entering email and password	3	High	4
Sprint - 3	REGISTER TO DONATE	USN-3	As a User, I can log into the application and find the current bank to donate plasma and confirm my booking.	2	Medium	4
Sprint -1,2	FIND THE BANK	USN-4	As a User, I can directly access the application and find the plasma available bank.	3	High	4
Sprint - 3	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.	4	Medium	4
Sprint - 3	MAINTAIN THE APPLICATION	USN-6	As Administrator, I can log into the application by entering my email, password and maintaining details for users.	4	High	4
Sprint - 4	CONNECT BANK WITH USERS	USN-7	As Administrator, I can hold the good communication between bank and user	1	Low	4

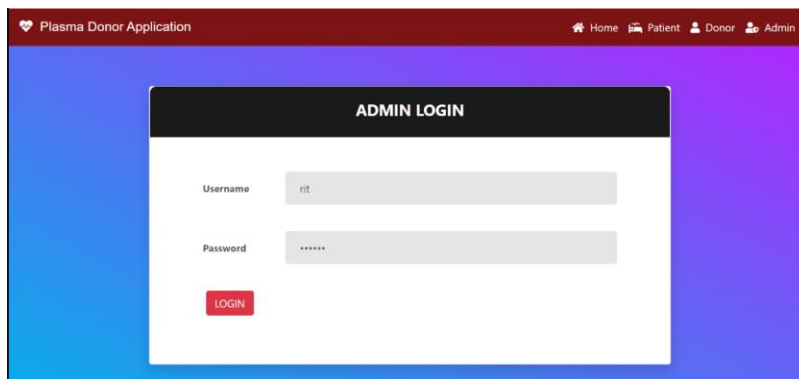
Sprint - 4	MAINTAIN DATABASE	USN-8	As Administrator, I can hold the exact details of donor and patient and also bank for requesting and available of plasma.	3	High	4
Sprint - 4	HELP THE USER WITH BOT MESSAGE	USN-9	As AI BOT, I can hold the good communication between bank and user also help the user.	2	Medium	4

6.2 SPRINT DELIVERY SCHEDULING

SPRINT	TOTAL STORY POINTS	DURATION	SPRINT START DATE	SPRINT END DATE	STORY POINTS COMPLETED	SPRINT RELEASE DATE
Sprint-1	7	7 Days	25 Oct 2022	01 Nov 2022		
Sprint-2	3	7 Days	02 Nov 2022	09 Nov 2022		
Sprint-3	5	7 Days	10 Nov 2022	17 Nov 2022		
Sprint-4	5	7 Days	18 Nov 2022	25 Nov 2022		

7. CODING & SOLUTIONING

7.1 FEATURE 1



home.html

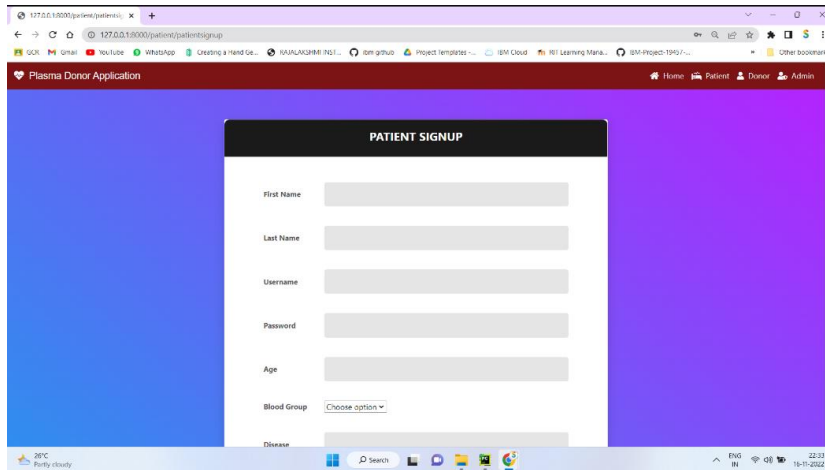
```
{% extends 'base.html' %}
{% include 'navbar.html' %}
{% block head %}
    <title>Home</title>
{% endblock %}
```

```
{% block body %}
```

```
<h3>Welcome User!</h3>
```

```
{% endblock %}
```

FEATURE-2



signup.html:

```
{% extends 'base.html' %}
```

```
{% block head %}
```

```
<title>Signup Page</title>
```

```
{% endblock %}
```

```
{% block body %}
```

```
{{ msg }}
```

```
<div class = "loginform" >
```

```
<!-- change by Anandhitha-->
```

```
<form action="/fromsignup" method="POST" onsubmit = "return validate()" name = "signupform">
```

```
<!-- change by Anandhitha-->
```

```
<div class ="login-title">
```

```
Sign Up
```

```
</div>
```

```
<div class="login-body">
```

```
<label>Name</label><br>
```

```
<input type="text" name="name"><br>
```

```
<p id="name-error" class="form-error" >Name is not valid</p>
```

```
<br>
```

```
<label>Email</label><br>
```

```
<input type="email" name = "email" required><br><br>
```

```

<label>Password</label><br>
<input type="password" name="password" required><br><br>

<label>Retype Password</label><br>
<input type="password" name="confirmPassword" required><br>

<p id="pass2-error" class = "form-error">Passwords do not match</p>

<label>I am a:</label><br>

<label class="radio-button">
  <input type="radio" name="radio" checked>
  Beneficiary
</label>
<br>
<label class="radio-button">
  <input type="radio" name="radio">
  Donor
</label>
<br>
<br>

<input type="submit" class="btn btn-primary btn-md">

<br><br>
Already a User? <a href = "/">Login</a>

</div>

</form>
</div>

<script>
function validate(){
  var name = document.signupform.name.value;
  var email = document.signupform.email.value;
  var pass = document.signupform.password.value;
  var pass2 = document.signupform.confirmPassword.value;
  var value=1;
  console.log(name);
  if(name==" " || name==null){
    document.getElementById('name-error').style.display="block";
    return false;
  }
  if(pass != pass2){
    document.getElementById('pass2-error').style.display="block";
    return false;
  }
}

return true;

```



```

}

</script>
{% endblock %}
<!--
pw length- 8 to 15
name validation
email validation
password - uppercase, numbers
-->

```

8. TESTING

8.1 ACCEPTANCE TESTING

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	10	4	2	3	20
Duplicate	1	0	0	3	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

9. ADVANTAGES AND DISADVANTAGES

ADVANTAGES

- Simple User Interface.
- It alleviates the burden of coordinator to manage Users and resources easily.
- Compared to all other mobile applications, it incorporates provisions for Plasma donation. Attracts more, number of users
- Usage of this application will greatly reduce time in selecting the right donor.

DISADVANTAGES

- This application requires various entities and phases by the users to verify their integrity
- It requires active internet connection.

10. CONCLUSION

Plasma donor application provides a reliable platform to connect local plasma donors with patients. This application creates a communication channel through authenticated hospitals whenever a patient needs plasma donation. It is a useful tool to find compatible blood donors who can receive plasma request posts in their local area. Hospitals can use this web application to maintain the blood donation activity.

11. FUTURE SCOPE

Plasma donor application can be further improved by providing a provision for user accessibility via integrating this application with various social network application program interface. Consequently, users can login and signup using various social networks. This would increase number of donors and enhances the process of plasma donation. User interface can be improved in future to accommodate global audience by supporting different languages across countries. Data scrapping can be done from different social networks and can be shown in the plasma request feeds.

12. APPENDIX

SOURCE CODE

index.html:

```
{% load static %}
<!DOCTYPE html>
<head>
  <style>
    .xyz{
      margin-bottom: 0px;
      background-image: url('{% static "image/homepage3.png" %}');
      background-size: cover;
      background-repeat: no-repeat;
    }
  </style>
</head>

<body>
  {% include "blood/navbar.html" %}
<br>
<section id="section-jumbotron" style="margin-bottom: 0px;" class="jumbotron jumbotron-fluid
d-flex justify-content-center align-items-center xyz">
  <div class="container text-center">
    <br><br><br><br><br><br><br><br><br><br><br><br><br>
    <br><br><br><br>
  </div>
</section>

<div class="jumbotron" style="margin-top: 0px;margin-bottom: 0px;">
  <p class="lead text-center"><h3 align = "center"> PNT2022TMID50872 </h3></p>
  <p align="center">ISHA REVATHI P</p>
  <p align="center">JEFNA ASHA J</p>
  <p align="center">NALINI A</p>
  <p align="center">IGNECIA RATHNA M</p><br>
```

```
<p class="lead text-center" ><h4 align = "center"><b>Saving a life won't cost you anything. Go ahead and donate Plasma</b></h4>
```

```
</p>
```

```
<p class="text-center">- Anonymous</p>
```

```
</div>
```

```
{% include "blood/footer.html" % }
```

```
</body>
```

```
</html>
```

signin.html:

```
{% extends 'base.html' % }
```

```
{% block head % }
```

```
<title>Signin Page</title>
```

```
{% endblock % }
```

```
{% block body % }
```

```
{{ msg }}
```

```
<div class = "loginform">
```

```
<!-- change by Anandhitha-->
```

```
<form action="/fromsignin" method="POST">
```

```
<!-- change by Anandhitha-->
```

```
<div class = "login-title">
```

```
Sign In
```

```
</div>
```

```
<div class="login-body">
```

```
<label>Email</label><br>
```

```
<input type="email" name="email" required><br><br>
```

```
<label>Password</label><br>
```

```
<input type="password" name="password" ><br><br>
```

```
<input type="submit" class="btn btn-primary btn-md">
```

```
<br><br>
```

```
New User? <a href = "/signup">SignUp</a>
```

```
</div>
```

```
</form>
```

```
</div>
```

```
{% endblock % }
```

profile.html:

```
{% extends 'base.html' %}
{% include 'navbar.html' %}
{% block head %}
    <title>Profile</title>

{% endblock %}
{% block body %}
    {{ msg }}
<section class="py-5 my-5">
    <div class="container">
        <h1 class="mb-5">Account Settings</h1>
        <div class="bg-white shadow rounded-lg d-block d-sm-flex">
            <div class="profile-tab-nav border-right">
                <div class="p-4">
                    <div class="img-circle text-center mb-3">
                        
                    </div>
                    <h4 class="text-center">{{ session['user'] }}</h4>
                </div>
                <div class="nav flex-column nav-pills" id="v-pills-tab" role="tablist" aria-orientation="vertical">
                    <a class="nav-link active" id="account-tab" data-toggle="pill" href="#account"
role="tab" aria-controls="account" aria-selected="true">
                        <i class="fa fa-home text-center mr-1"></i>
                        Account
                    </a>
                    <a class="nav-link" id="details-tab" data-toggle="pill" href="#details" role="tab"
aria-controls="details" aria-selected="false">
                        <i class="fa fa-user text-center mr-1"></i>
                        Details
                    </a>
                    <a class="nav-link" id="password-tab" data-toggle="pill" href="#password"
role="tab" aria-controls="password" aria-selected="false">
                        <i class="fa fa-key text-center mr-1"></i>
                        Password
                    </a>

                    <a class="nav-link" id="notification-tab" data-toggle="pill" href="#notification"
role="tab" aria-controls="notification" aria-selected="false">
                        <i class="fa fa-bell text-center mr-1"></i>
                        Notification
                    </a>
                </div>
            </div>
        </div>
    </div>
</div>
```

```
<div class="tab-content p-4 p-md-5" id="v-pills-tabContent">
  <div class="tab-pane fade show active" id="account" role="tabpanel" aria-
labelledby="account-tab">
    <h3 class="mb-4">Account Settings</h3>
    <div class="row">
      <div class="col-md-6">
        <div class="form-group">
          <label>First Name</label>
          <input type="text" class="form-control" value="{{ session['user'] }}">
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
          <label>Last Name</label>
          <input type="text" class="form-control" value="">
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
          <label>Email</label>
          <input type="text" class="form-control" value="{{ session['email'] }}">
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
          <label>Phone number</label>
          <input type="text" class="form-control" value="">
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
          <label>Address</label>
          <input type="text" class="form-control" value="">
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
          <label>City</label>
          <input type="text" class="form-control" value="">
        </div>
      </div>
      <div class="col-md-12">
        <div class="form-group">
          <label>Bio</label>
          <textarea class="form-control" rows="4"></textarea>
        </div>
      </div>
    </div>
  </div>
</div>
```

```

        </div>
    </div>
    <div>
        <button class="btn btn-primary">Update</button>
        <button class="btn btn-light">Cancel</button>
    </div>
</div>
<div class="tab-pane fade" id="password" role="tabpanel" aria-labelledby="password-
tab">
    <form action="/change_password" method="POST" name="changePass"
onsubmit="return changePassword()">
        <h3 class="mb-4">Password Settings</h3>
        <div class="row">
            <div class="col-md-6">
                <div class="form-group">
                    <label>Old password</label>
                    <input type="password" name="oldpass" class="form-control">
                </div>
            </div>
        </div>
        <div class="row">
            <div class="col-md-6">
                <div class="form-group">
                    <label>New password</label>
                    <input type="password" name="newpass" class="form-control"
minlength="8" maxlength="15" required>
                </div>
            </div>
            <div class="col-md-6">
                <div class="form-group">
                    <label>Confirm new password</label>
                    <input type="password" name="confirmpass" class="form-control"
minlength="8" maxlength="15" required>
                </div>
            </div>
        </div>
        <div>
            <input type="submit" class="btn btn-primary btn-md">

        </div>
    </form>

</div>
<div class="tab-pane fade" id="details" role="tabpanel" aria-labelledby="details-tab">
    <h3 class="mb-4">Details</h3>

```

```

<div class="row">
  <div class="col-md-6">
    <div class="form-group">
      <label>Blood Group</label>
      <input type="text" class="form-control">
    </div>
  </div>
  <div class="col-md-6">
    <div class="form-group">
      <label>Illness</label>
      <input type="text" class="form-control">
    </div>
  </div>
  <div class="col-md-6">
    <div class="form-group">
      <div class="form-check">
        <input class="form-check-input" type="checkbox" value=""
id="recovery">
        <label class="form-check-label" for="recovery">
          Get Updates
        </label>
      </div>
    </div>
  </div>
  <div>
    <button class="btn btn-primary">Update</button>
    <button class="btn btn-light">Cancel</button>
  </div>
</div>
<div class="tab-pane fade" id="application" role="tabpanel" aria-
labelledby="application-tab">
  <h3 class="mb-4">Application Settings</h3>
  <div class="row">
    <div class="col-md-6">
      <div class="form-group">
        <div class="form-check">
          <input class="form-check-input" type="checkbox" value="" id="app-
check">
          <label class="form-check-label" for="app-check">
            App check
          </label>
        </div>
        <div class="form-check">
          <input class="form-check-input" type="checkbox" value=""
id="defaultCheck2" >

```

```

        <label class="form-check-label" for="defaultCheck2">
        Lorem ipsum dolor sit.
        </label>
    </div>
</div>
</div>
</div>
<div>
    <button class="btn btn-primary">Update</button>
    <button class="btn btn-light">Cancel</button>
</div>
</div>
<div class="tab-pane fade" id="notification" role="tabpanel" aria-
labelledby="notification-tab">
    <h3 class="mb-4">Notification Settings</h3>
    <div class="form-group">
        <div class="form-check">
            <input class="form-check-input" type="checkbox" value=""
id="notification1">
            <label class="form-check-label" for="notification1">
            Get notifications about donor updates
            </label>
        </div>
    </div>
    <div class="form-group">
        <div class="form-check">
            <input class="form-check-input" type="checkbox" value="" id="notification2"
>
            <label class="form-check-label" for="notification2">
            Get notifications regarding latest updates of our website
            </label>
        </div>
    </div>
    <div class="form-group">
        <div class="form-check">
            <input class="form-check-input" type="checkbox" value="" id="notification3"
>
            <label class="form-check-label" for="notification3">
            Get reminder notification
            </label>
        </div>
    </div>
    <div>
        <button class="btn btn-primary">Update</button>
        <button class="btn btn-light">Cancel</button>
    </div>

```



```

        </div>
    </div>
</div>
</div>
</section>
<script>
function changePassword(){
    var passOld = document.changePass.oldpass.value;
    var passNew=document.changePass.newpass.value;
    var confirmPass = document.changePass.confirmpass.value;
    var password_in_db=session['password'];

    if(passOld==null || passNew==null || confirmPass==null|| passNew=="" ||passOld==""
||confirmPass==""){
        alert("Empty values!");
        return false;
    }

    if(passOld!=password_in_db){

        alert("Password old chaecking");
        return false;
    }

    if(passNew!=confirmPass){
        alert("Passwords do not match!");
        return false;
    }

    if(passOld==passNew){
        alert("Password is same as old password!");
        return false;
    }
    alert("Password Updated!");
    return true;
}
</script>
{% endblock %}

```

GITHUB LINK: <https://github.com/IBM-EPBL/IBM-Project-46517-1660748770>

DEMO LINK:

<https://drive.google.com/file/d/1RPYk9ABxrerHbEFTNpbNUxOeEG1bzzk/view?usp=drivesdk>