Plasma Donor Application

A PROJECT REPORT

Submitted By

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CHAPTER1

1.INTRODUCTION

Recent researches show that many people are willing to help someone in need through money, blood and plasma donation, etc.., but they find it difficult to identify and approach the needy people who arenot aware of technological innovations, including the use of social media.

1.1PROJECT OVERVIEW

Covid-19 is currently spreading as a deadly disease and till today no medicine has been found for this disease. Alternatively, now a day's plasma transplant surgery is also being performed rapidly. At this present time plasma banks are in short supply. Not only that, but the number of plasma donors is low too. And some people do not know what plasma donation is and where to donate plasma.We have set up a system to alleviate this situation and help needy people to identify plasma donors and plasma banks.As the world grows in this modern age, only a few babies are born prematurely without the nutrients they need to grow. Mother's Milk provides the best nutrition for those babies after birth. But babies do not even get Mother's Milkproperly. So those children get many more defects and become infected. We found a news on the social media site that a woman donated her Mother's Milk to help and rectify the situation. We have set up a system to encourage that action and help them. Today mobile and mobile primarily based applications became a neighborhood of our day to day life. The main objective is to develop an Android application to build a network of people (Donors, Recipients and Health care departments) who can help each other. This automaton application is developed to simply explore for plasma,mother's milk and blood in near areas for emergency.Key Words: Plasma/Mother's Milk/Blood (PMB) Donor, Plasma, Mother's milk, Blood, Donor, Androidapplication.. When talking about an application, it needs to be easy to handle and user friendly. To be more precise, this application should have all the facilities from registering to donating, and login to request satisfying. And one of the interesting facts is that this application runs on Cloud. This might be a useful application during critical times.

1.1 PURPOSE

When the world is struck by deadly diseases, there is a high risk of mass death of populations across the world. These diseases give no enough time for the surgeons to find medicine and so there is a need to find a quick remedy to reduce mass death of people to suchillness. One of the best methods, which is highly effective is the donation of blood plasma of cured individuals to sick persons. This can possibly cure the illness of the infected person. Plasma donation was one of the best methods which was adopted to cure people during the recent global pandemic, COVID-19. The recovery rates were high during these times when death was ultimately increasing as no medicine was found across the globe. Plasma Donation also helps to increase immunity. Another issue was that no cured patient came forward to donate blood plasma, so the infected ones were highly worried as they can't find anyone to help them. So, we are in need of an application that stores donor details, tracks and informs them upon request from a patient.

CHAPTER 2
LITERATURE SURVEY

2.1EXISTING PROBLEMS

There has been rise in sudden deaths due to Covid 19 because it has no medicine to recover from the covid so to stop the death rate the medical providers start the convalescent therapy to boost the immunity of the patient.There are a quite good number of softwares exist for Plasma donor application.In the covid pandemic the use of plasma was increased.But they find it difficulty to identify and when I visted most plasma donor application system portal. I found that the existing system is limited only to those particular plasma center.

2.2 REFERENCE

Web Based Blood Donation Management System (BDMS) and Notifications B M, Shashikala & Pushpalatha, M. & Vijaya, B.. (2018). Web Based Blood Donation Management System (BDMS) and Notifications. 10.1007/978-981-10-9059-2_12. Only 40 lakh units of blood is available out of about 4 crore units of blood in each year in the nation. The direct contact between the donor and the recipient is not offered by many of the blood banks. This is critical when there is an emergency in need of blood. This aims to provide a direct link between the donor and the recipient. In this paper the blood donation management system (BDMS) is a web based application, which helps to manage the record of donors. Through a web interface a blood bank database is created. In a central server the collected data is stored. Mobile application is used for sending notification via text message by using bulk message dispatch technique for providing the communication between the donor and the recipient. The recipient can also contact the donor with the help of the contact details available. Blood donors can also be searched from the mobile application, it is accessible only for registered members. The focus is to find blood donors in an emergency situation and to provide a direct link between the donor and the recipient. Blood Notes: Software System for Promoting and Facilitating Blood Donation Hunor Hegedüs; Kata Szász; Károly Simon; Tibor Fazakas; Andor Mihály; Katalin Nagy (2020). 2019 IEEE 17th International Symposium on Intelligent Systems and Informatics (SISY) 10.1109/SISY47553.2019.9111536 The Blood Notes project seeks to promote and support blood donation in order to maintain an efficient and long-lasting line of communication between the initiative's two target audiences. People who are willing to donate blood are among the target audience. They can utilize the system's mobile application to schedule and record their contributions, get notifications, and receive helpful information about the blood donation procedure. The staff at blood donation clinics is among the other target audience. They can deliver messages about the most recent blood shortages and manage the educational data presented through the mobile application using a web application. A central server, a mobile app for donors that runs on iOS and Android, and a web app for the staff at blood donation centers make up the three primary parts of the software system. In addition to outlining the system's functionality and design, the document also lists the technologies and

development tools that were employed

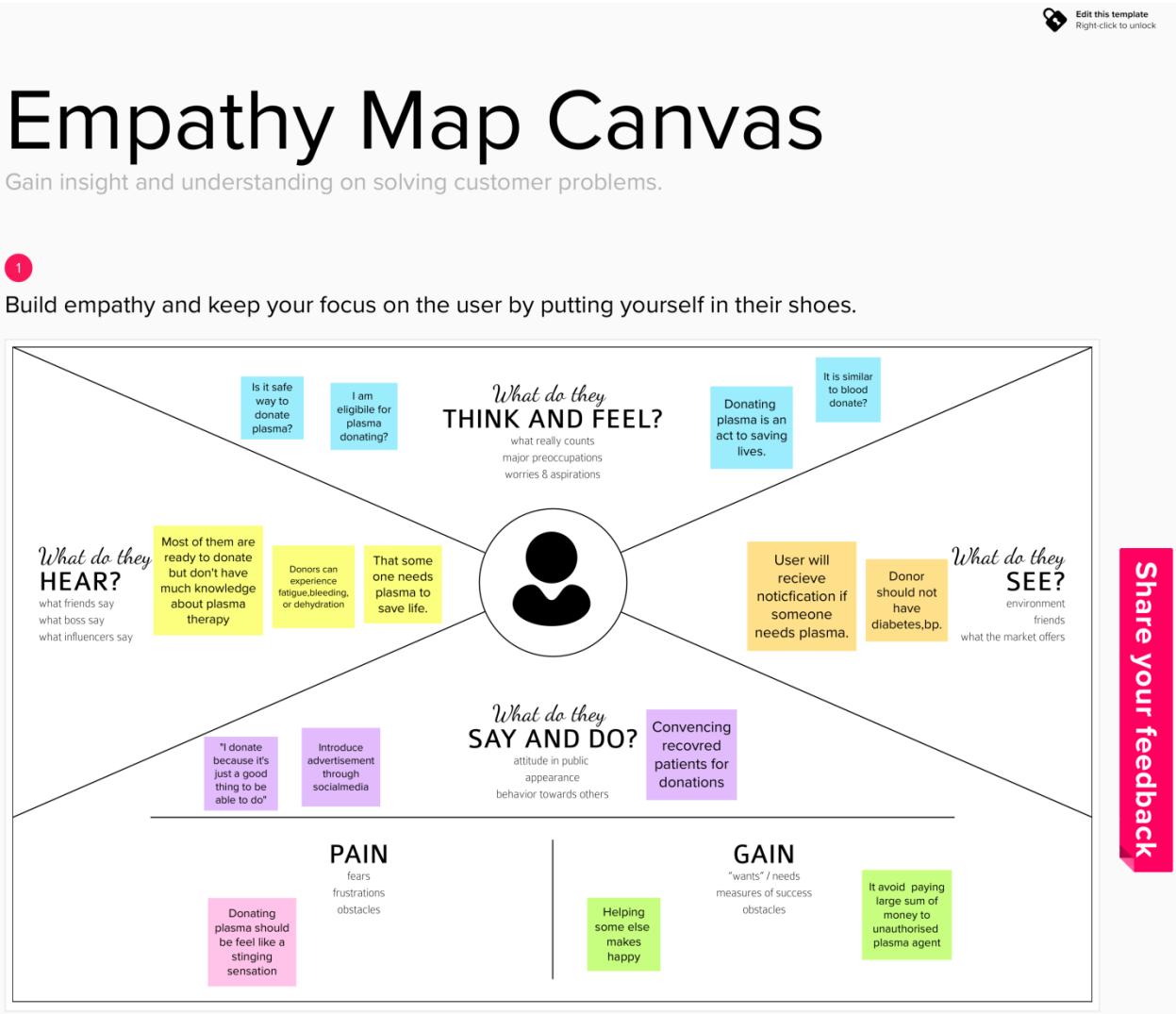
2.2 PROBLEM STATEMENT DEFINITION

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a plasma recipient	get a plasma from donor through online	i am unable to find donor	the covid 19 reduce the supply and increase the need of plasma.	worry and depressed about their health

PS-2	a plasma donor	donate a plasma through mobile app	i can't donate a plasma immediately	I don’t know whether the recipient is in normal or critical condition and there was a lockdown and to donate plasma donor has to follow some procedures	anixious

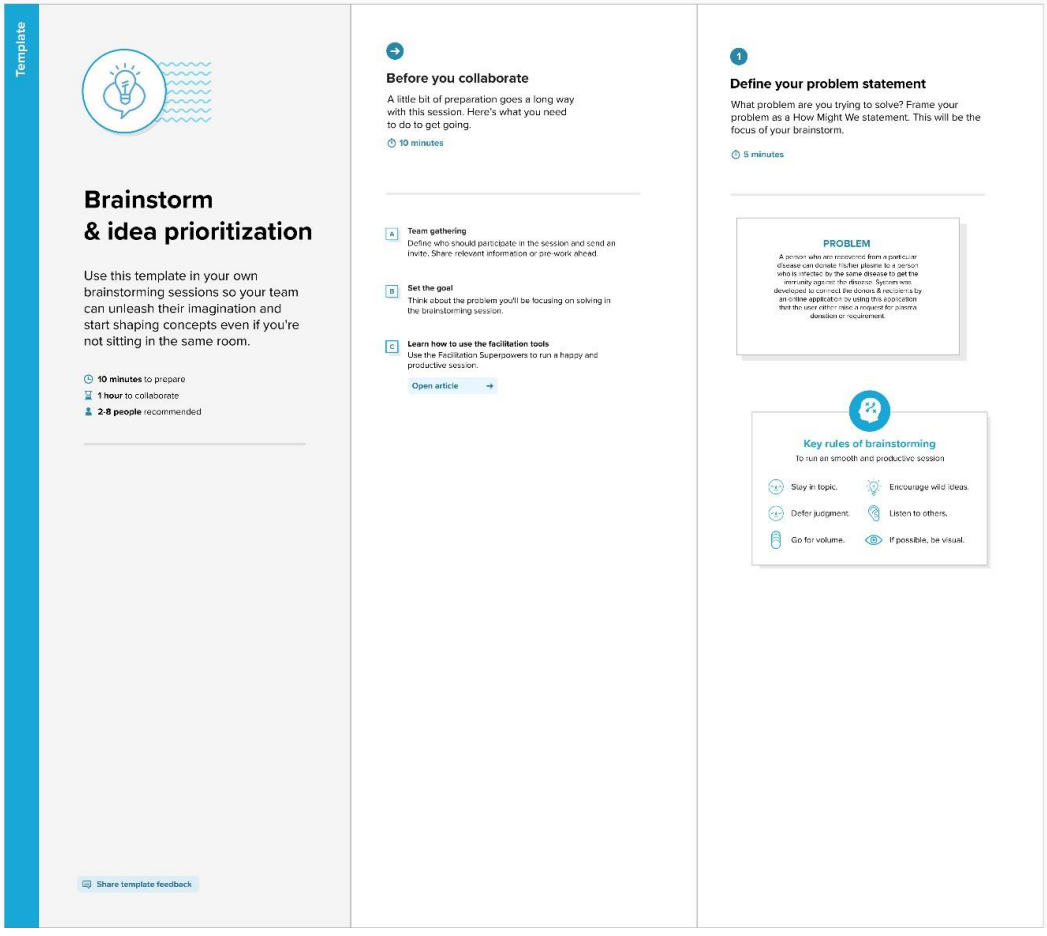
CHAPTER 3
IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS

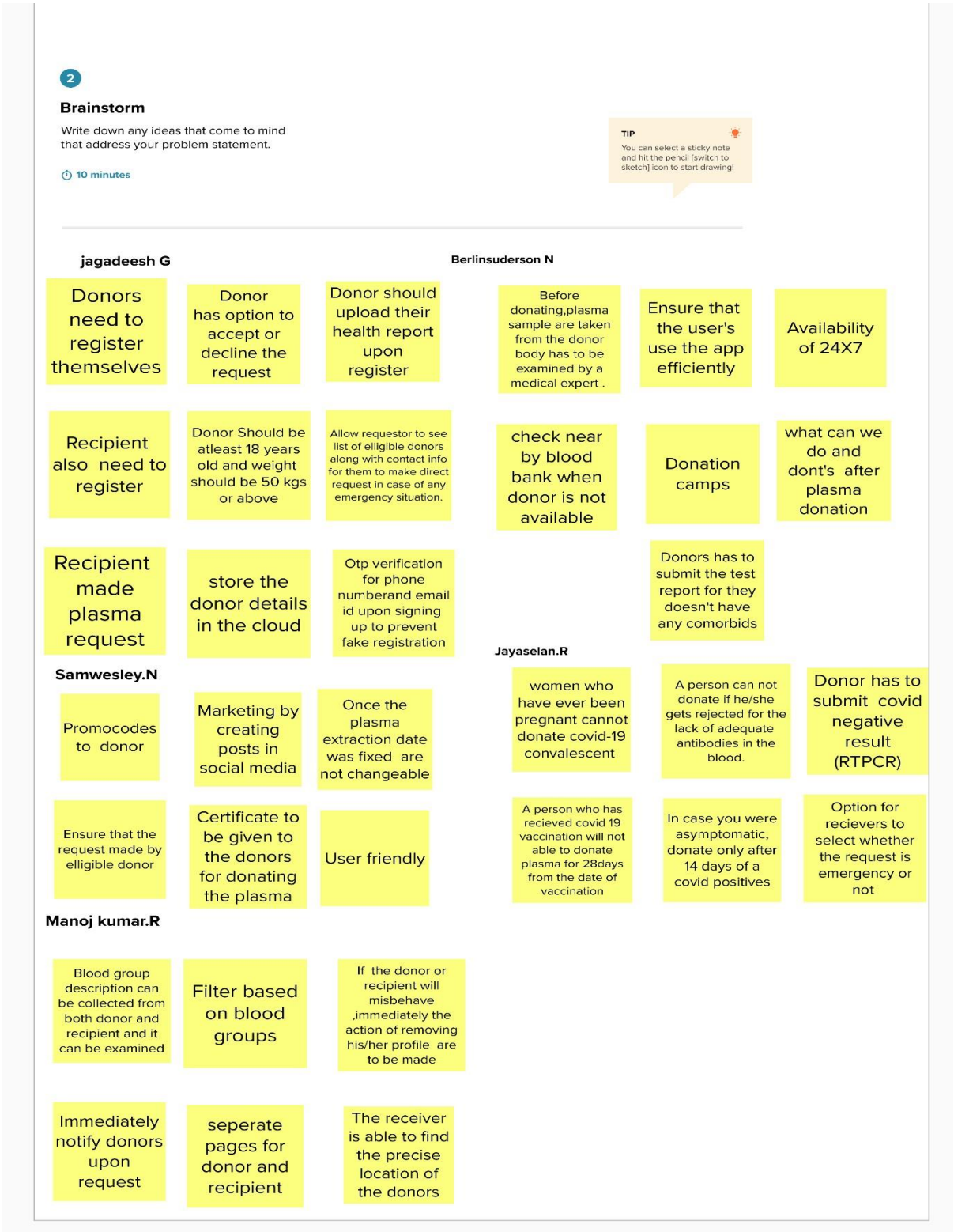


3.2IDEATION & BRAINSTORMING

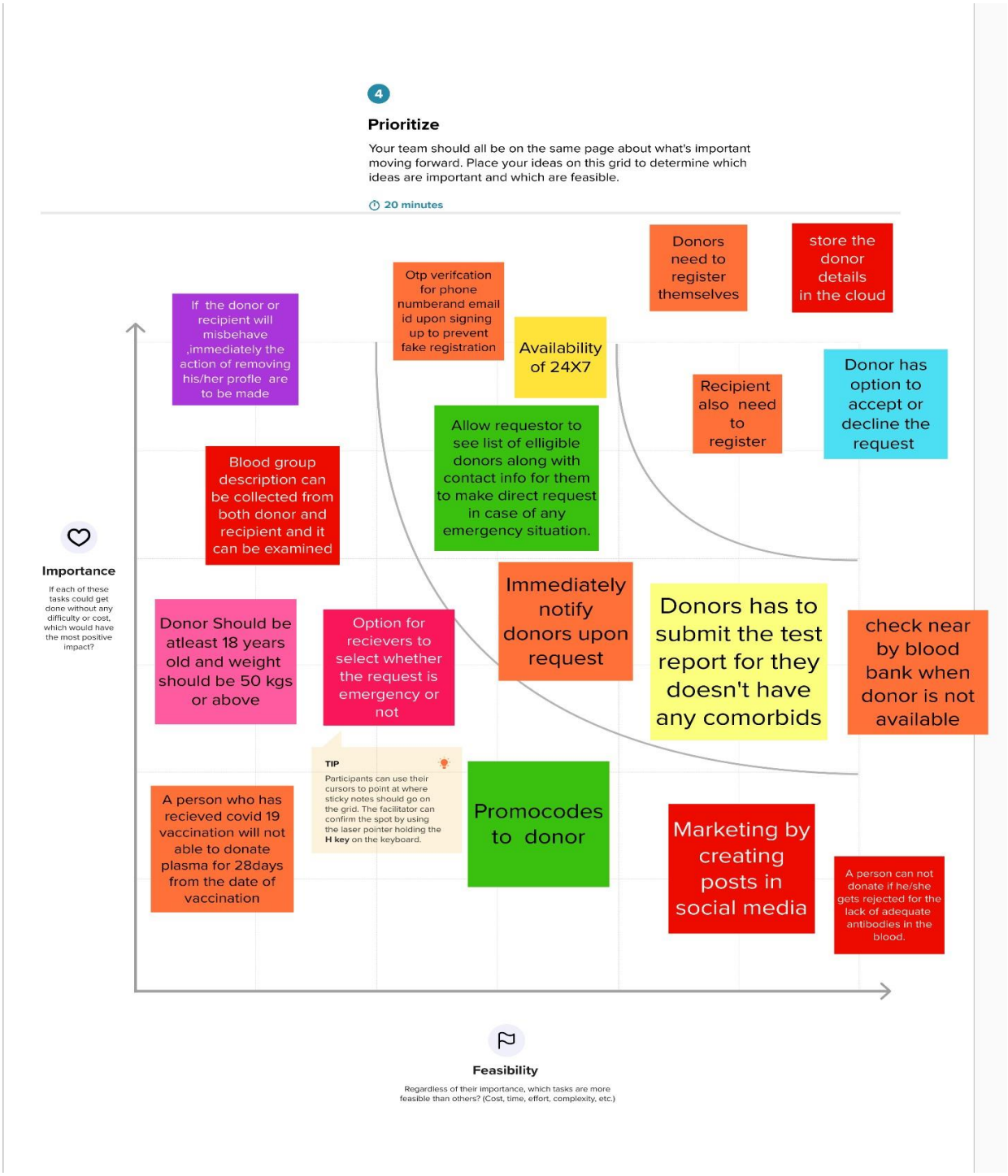
Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Brainstorm, Idea Listing and Grouping



Step-3: Idea Prioritization



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

A **Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

B **Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.
Open the template →

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template →

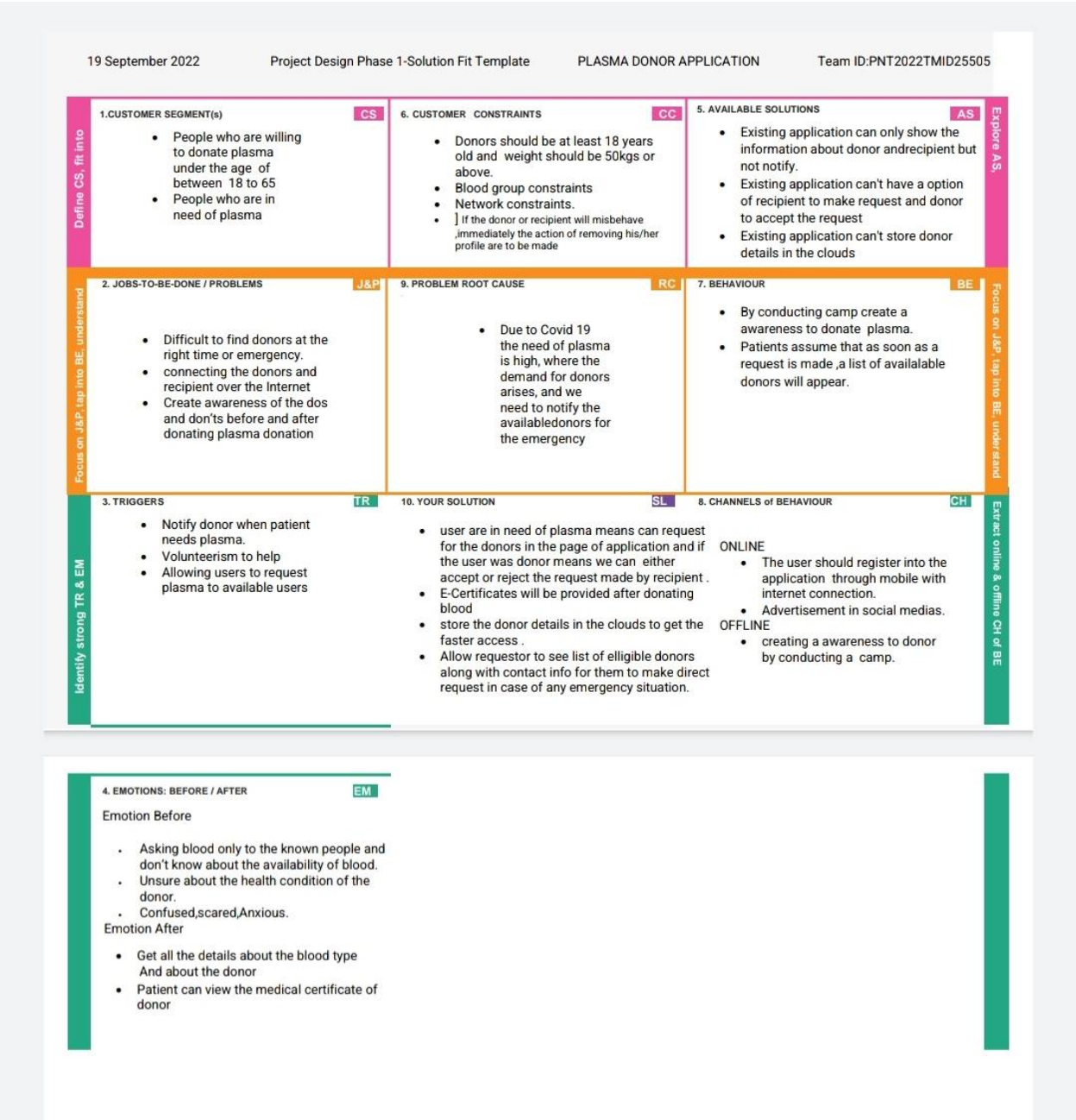
Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template →

Share template feedback

3.3PROPOSED SOLUTION:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A person who are recovered from a particular disease can donate his/her plasma to a person who is infected by the same disease to get the immunity against the disease. System was developed to connect the donors & patients by an online application by using this application that the user either raise a request for plasma donation or requirement.
2.	Idea / Solution description	Creating an application that allows the user to register as donor and when the plasma is needed the donor will get notified.
3.	Novelty / Uniqueness	Plasma Donor Application by integrating it with IBM cloud.
4.	Social Impact / Customer Satisfaction	• Social awareness and advertisements People will get used to this application, by collaborating with government . • Find the donors in near places • Connect the donors and patients easily
5.	Business Model (Revenue Model)	□ People will get used to this application, by collaborating with government and organizing blood donation camps.
6.	Scalability of the Solution	• Since the project uses IBM DB2 database it can handle with multiple requests in various regions. • Large number of users can access the application as it is hosted in cloud.

3.4 PROBLEM SOLUTION FIT:



19 September 2022 | Project Design Phase 1-Solution Fit Template | PLASMA DONOR APPLICATION | Team ID:PNT2022TMID25505

Define CS, fit into

1.CUSTOMER SEGMENT(s) CS

- People who are willing to donate plasma under the age of between 18 to 65
- People who are in need of plasma

6. CUSTOMER CONSTRAINTS CC

- Donors should be at least 18 years old and weight should be 50kgs or above.
- Blood group constraints
- Network constraints.
-] If the donor or recipient will misbehave ,immediately the action of removing his/her profile are to be made

5. AVAILABLE SOLUTIONS AS

- Existing application can only show the information about donor andrecipient but not notify.
- Existing application can't have a option of recipient to make request and donor to accept the request
- Existing application can't store donor details in the clouds

Explore AS,

Focus on J&P, tap into BE, understand

2. JOBS-TO-BE-DONE / PROBLEMS J&P

- Difficult to find donors at the right time or emergency.
- connecting the donors and recipient over the Internet
- Create awareness of the dos and don'ts before and after donating plasma donation

9. PROBLEM ROOT CAUSE RC

- Due to Covid 19 the need of plasma is high, where the demand for donors arises, and we need to notify the availabledonors for the emergency

7. BEHAVIOUR BE

- By conducting camp create a awareness to donate plasma.
- Patients assume that as soon as a request is made ,a list of availalable donors will appear.

Focus on J&P, tap into BE, understand

Identify strong TR & EM

3. TRIGGERS TR

- Notify donor when patient needs plasma.
- Volunteerism to help
- Allowing users to request plasma to available users

10. YOUR SOLUTION SL

- user are in need of plasma means can request for the donors in the page of application and if the user was donor means we can either accept or reject the request made by recipient .
- E-Certificates will be provided after donating blood
- store the donor details in the clouds to get the faster access .
- Allow requestor to see list of elligible donors along with contact info for them to make direct request in case of any emergency situation.

8. CHANNELS of BEHAVIOUR CH

ONLINE

- The user should register into the application through mobile with internet connection.
- Advertisement in social medias.

OFFLINE

- creating a awareness to donor by conducting a camp.

Extract online & offline CH of BE

4. EMOTIONS: BEFORE / AFTER EM

Emotion Before

- Asking blood only to the known people and don't know about the availability of blood.
- Unsure about the health condition of the donor.
- Confused,scared,Anxious.

Emotion After

- Get all the details about the blood type And about the donor
- Patient can view the medical certificate of donor

CHAPTER 4
REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENT:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Recipient made plasma request	If the plasma is need
FR-4	Donors have features	Donors will have option to either accept or decline the request.
FR-5	Contact the donor	Requestor to see list of elligibile donors along with contact info for them to make direct request in case of any emergency situation.
FR-6	Notification	Immediately notify the donors upon request.

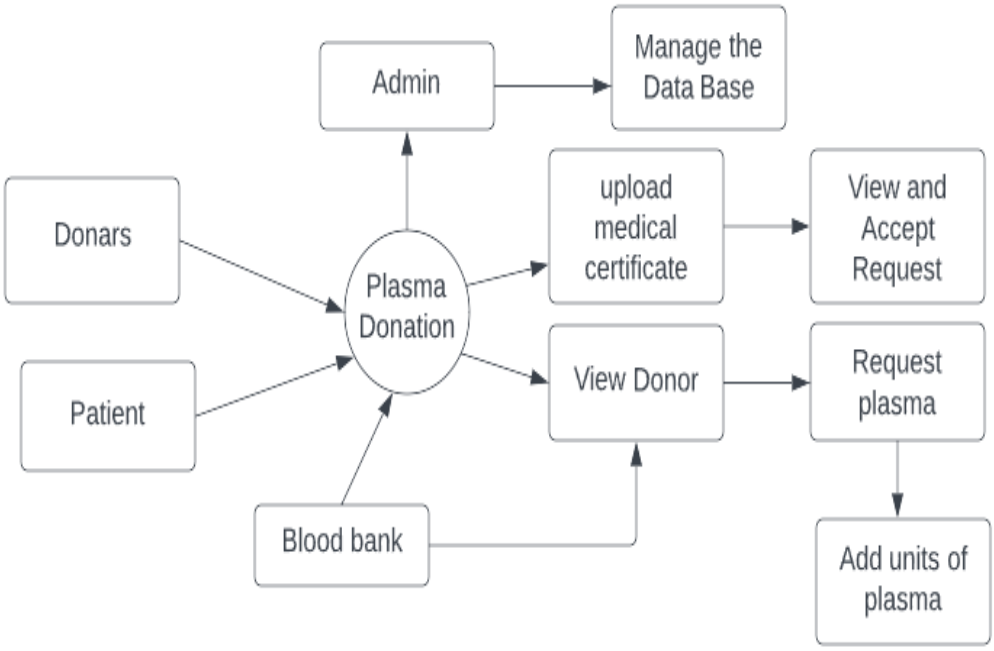
4.2 NONFUNCTIONAL REQUIREMENTS:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Application that allows the user to register as either donor or recipient of plasma.The user interface of the plasma donor system must be well-designed and very simple to use by everyone.
NFR-2	**Security**	A system's ability to prohibit unauthorized access , usage or behavior modification while providing service to authorized users.It must be secured with the unique username and password.
NFR-3	**Reliability**	The system has the ability to work all the times without failures apart from network failure. User can have the faith on the system. The authorities will keep the details of the users in confidentially .
NFR-4	**Performance**	Users should have a proper Internet Connection. System has high processing speed and quick response time and performs well in different scenarios.
NFR-5	**Availability**	The system 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

CHAPTER 5

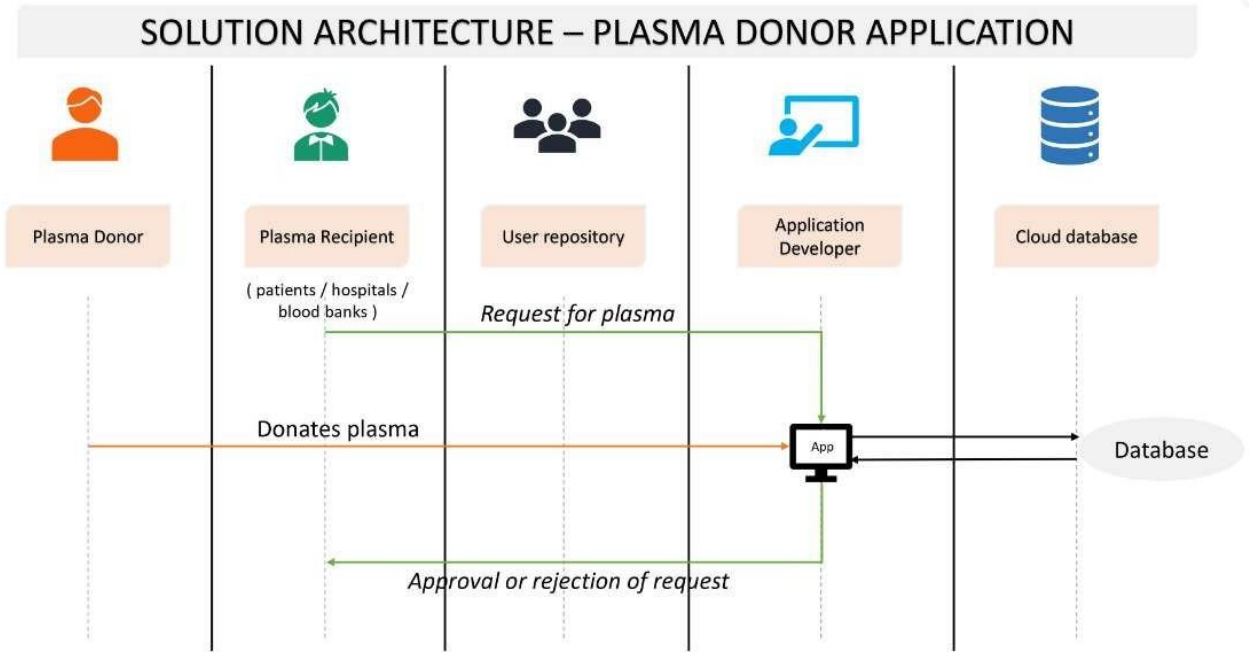
PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS

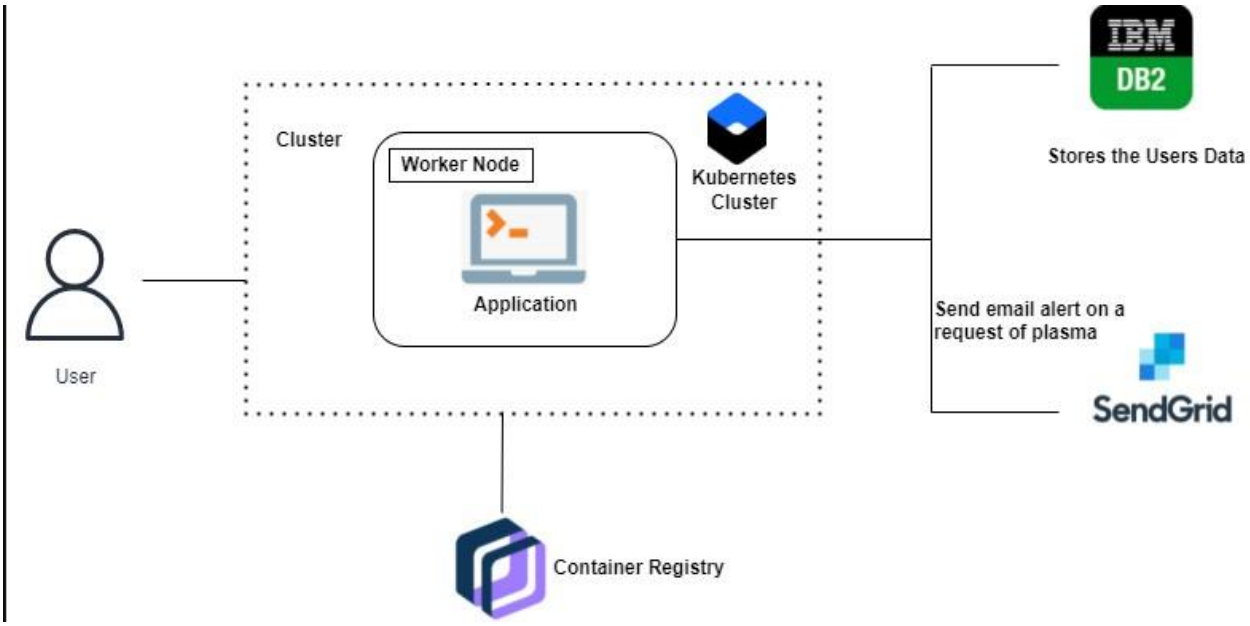


5.2 SOLUTION ARCHITECTURE & TECHNICAL ARCHITECTURE

SOLUTION ARCHITECTURE:



TECHNICAL ARCHITECTURE



5.3 USERSTORIES :

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 login using my credentials and it will direct to my dashboard	I can receive confirmation email & click confirm	High	Sprint-1
	Register as donor	USN-3	As a user, I can donate plasma when request are made	I can access my account / dashboard	Medium	Sprint-2
	Register as recipient	USN-4	As a user,I can login using my credentials and it will direct to my dashboard	I can access my account / dashboard	Medium	Sprint-1
	Request for plasma	USN-5	As a user, I can enter into the application and request for plasma.	I can access my account / dashboard	High	Sprint-2
	Dashboard	USN-6	As a user,I can login using my credentials and it will direct to my dashboard	I can access my account / dashboard	High	Sprint 1
Customer (web user)	Search for donor	USN-7	As a user I,can search the donors.	I can view the list of donors in the website	High	Sprint 3
Customer Care Executive	Query	USN-8	As a user had an any query about the using application	I can view query and rectify the user query	medium	Sprint3
Administrator	Login	USN-9	As a admin,have credentials using that they can login.	Admin is the authorized person of the overall application	High	Spint 2
	View	USN-10	As a admin ,I can view the user details.	I can view all the details of the user and store in the database	Medium	Sprint 3
	Modify	USN-11	As a admin ,I can modify the user details	Modify the user information if the provided information is wrong	High	Sprint 4
	Maintain the Database	USN-12	As Administrator ,I can store the exact details of donor and recipient and also update the requesting detail and profiles.	I can store all the details in the database	High	Sprint4

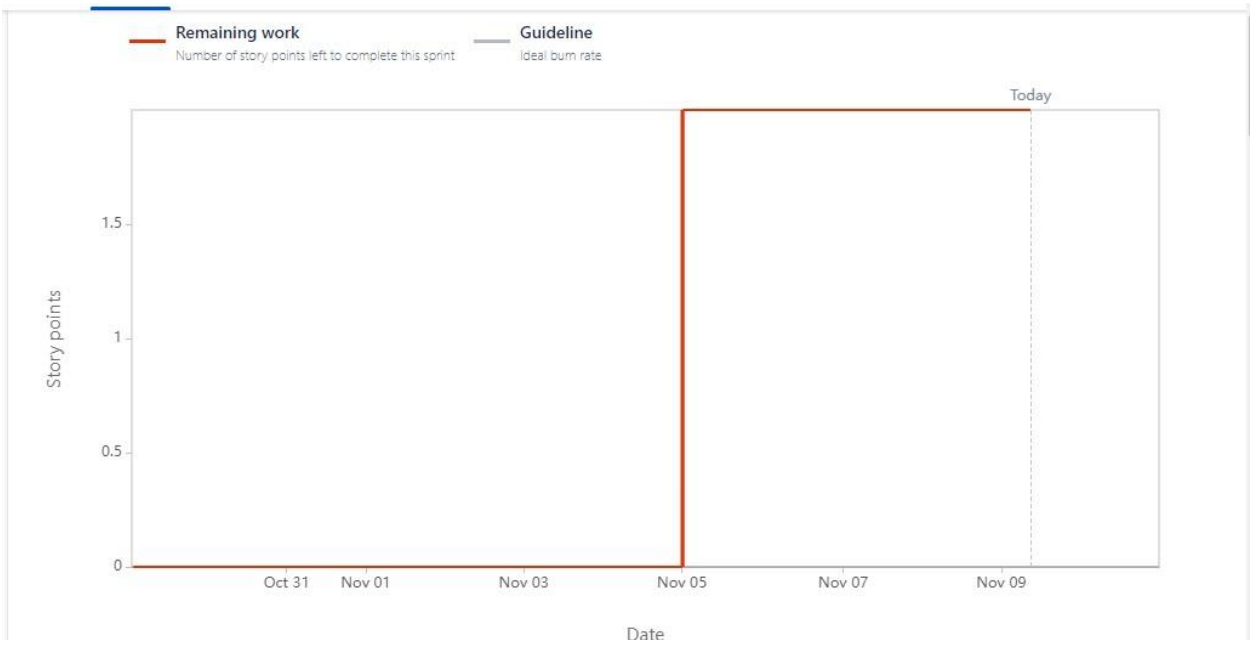
CHAPTER 6
6.1 SPRINT PLANNING & ESTIMATION:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint-1	App Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	7	High	Jeyaseelan R
Sprint-1	Login	USN-2	As a user,I can login using my credentials and it will direct to my dashboard	8	High	Jagadeesh G
Sprint-2	Register as donor	USN-3	As a user, I can donate plasma when request are made	9	Medium	Berlin Suderson N
Sprint-2	Register as recipient	USN-4	As a user,I can login using my credentials and it will direct to my dashboard	10	Medium	Sam Wesley N
Sprint-2	Request for plasma	USN-5	As a user, I can enter into the application and request for plasma.	5	High	Manoj Kumar R
Sprint 1	Dashboard	USN-6	As a user,I can login using my credentials and it will direct to my dashboard	9	High	Sam Wesley N
Sprint 3	Search for donor	USN-7	As a user I,can search the donors.	8	High	Jeyaseelan R
Sprint3	Query	USN-8	As a user had an any query about the using application	9	medium	Jagadeesh G
Spint 3	Admin login	USN-9	As a admin,have credentials using that they can login.	9	High	Jayaseelan R
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story points**	**Priority**	**Team Members**
Sprint 3	View	USN-10	As a admin ,I can view the user details.	9	Medium	Manoj Kumar R
Sprint 4	Modify	USN-11	As a admin ,I can modify the user details	7	High	Berlin Suderson N
Sprint4	Maintain the Database	USN-12	As Administrator ,I can store the exact details of donor and recipient and also update the requesting detail and profiles.	4	High	Jagadeesh G

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	29Oct2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05Nov2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12Nov2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19Nov2022

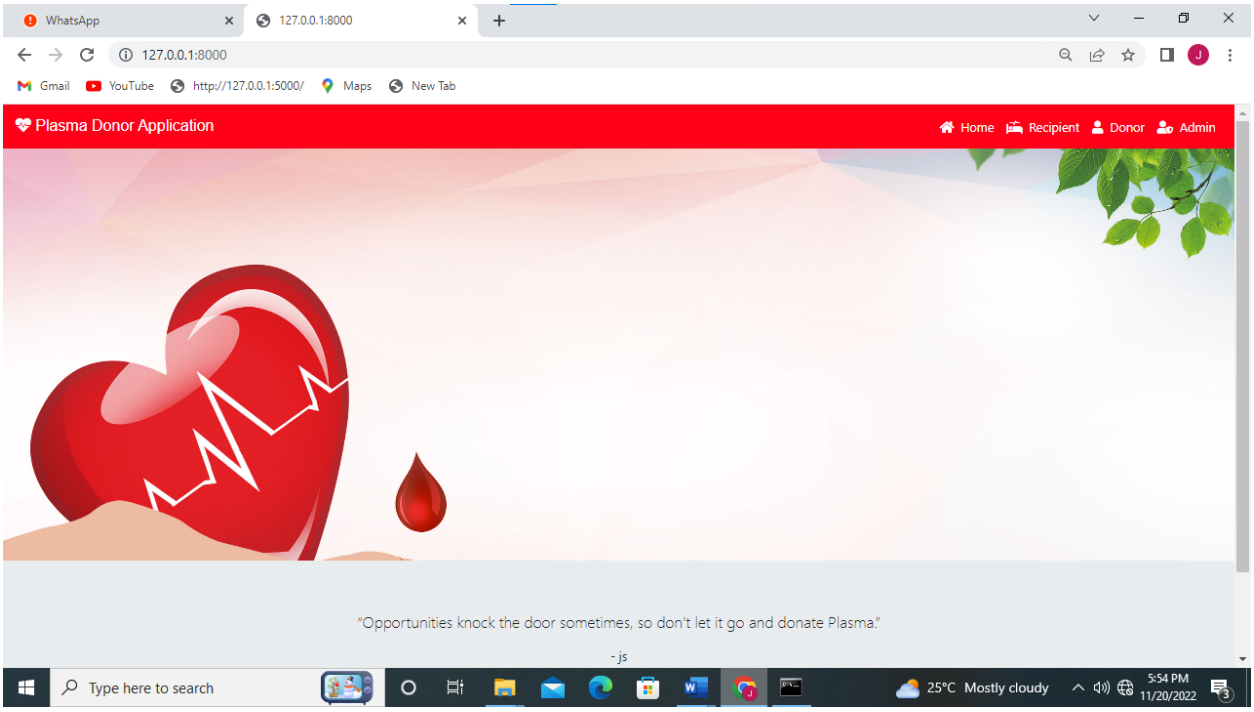
6.3 REPORTS FROM JIRA:



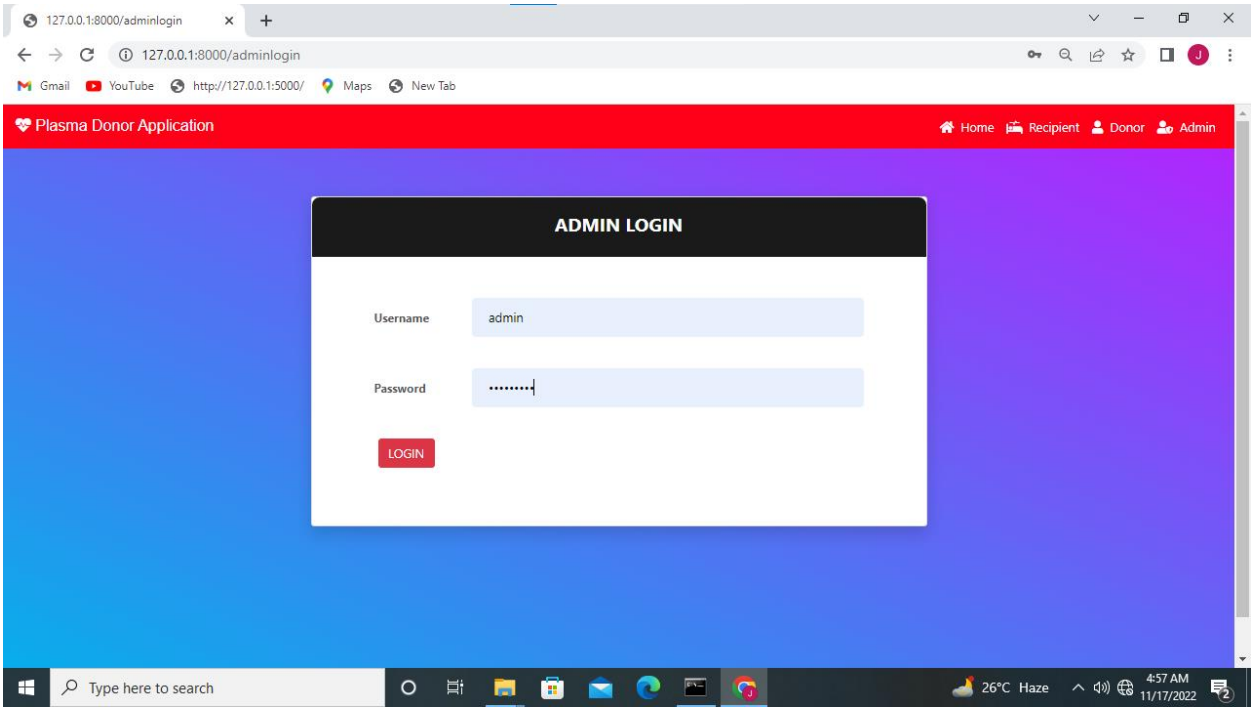
CHAPTER 7
CODING & SOLUTIONING

7.1 FEATURE 1

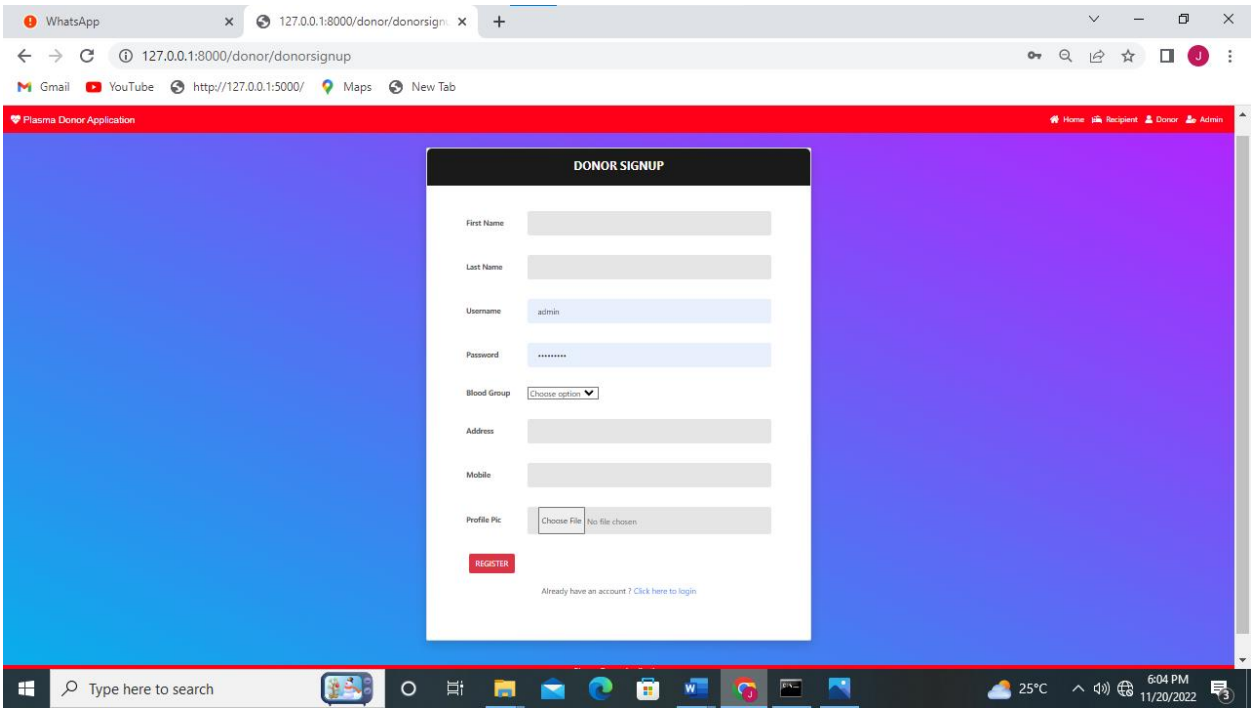
HOMEPAGE



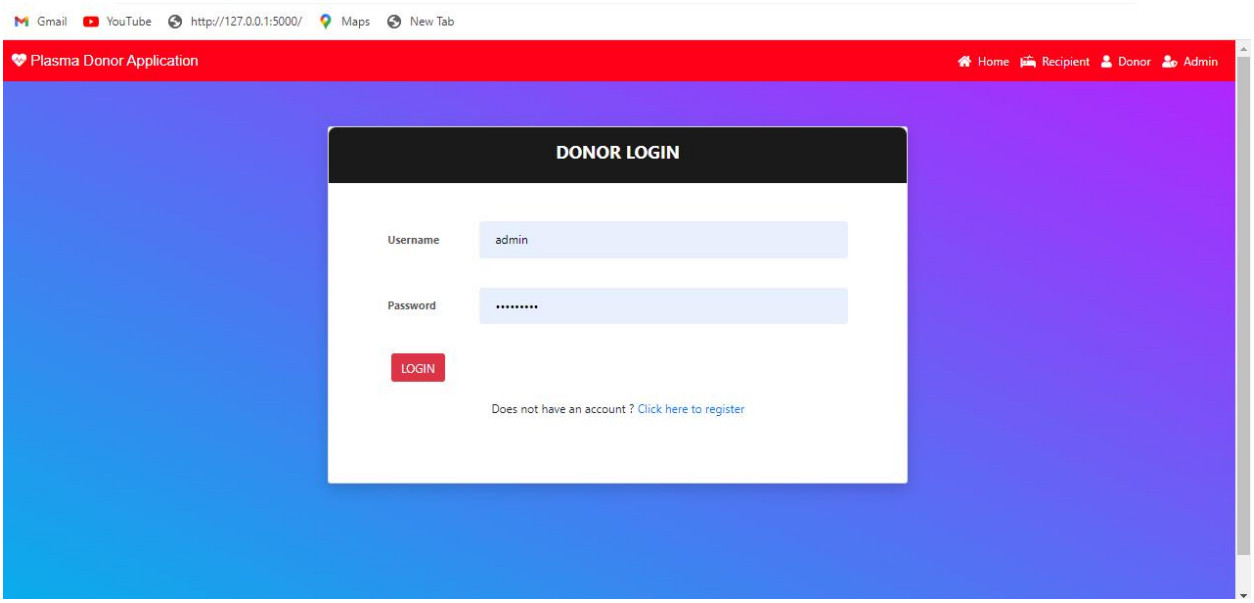
ADMIN LOGIN



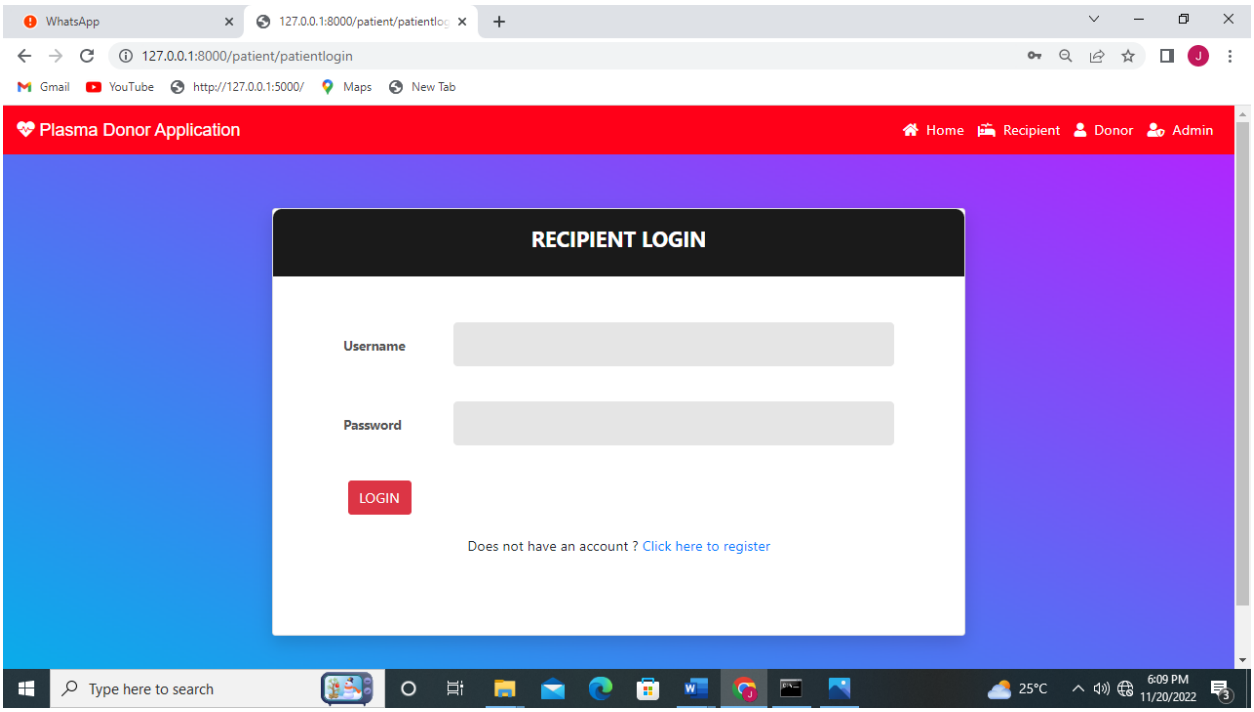
DONOR SIGNUP



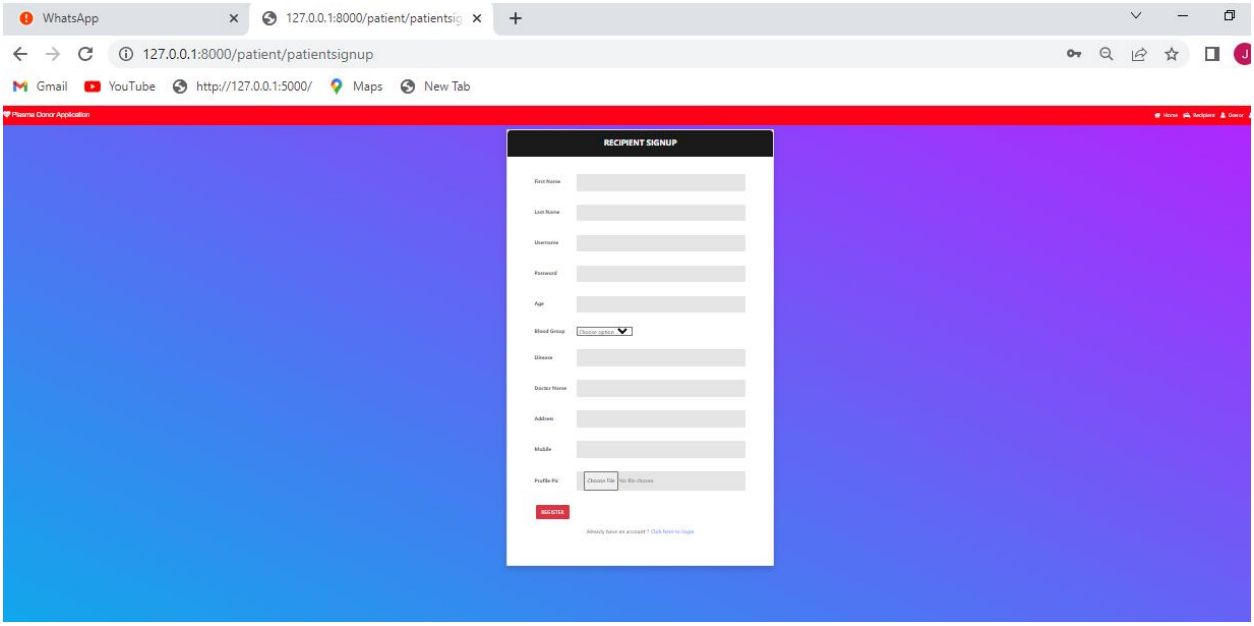
DONOR LOGIN



RECIPIENT LOGIN



RECIPIENT SIGNUP



Adminlogin.html

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head> <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.css">
  <!-- Font special for pages-->
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i"
rel="stylesheet">
 <!-- Main CSS-->
    <link href="{% static "css/main.css" %}"rel="stylesheet" media="all">
   </style>
  </head>
  <body>
    {% include "blood/navbar.html" %}
  <div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
       <div class="wrapper wrapper--w790">
          <br><br><br>
          <div class="card card-5">
             <div class="card-heading">
                <h2 class="title">Admin Login</h2>
             </div>
             <div class="card-body">
                <form method="POST">
                   {% csrf_token %}
                   <div class="form-row">
                      <div class="name">Username</div>
                      <div class="value">
```

```
                    <div class="input-group">

                        {% render_field form.username class="input--style-5"%}

                <div class="form-row">
                    <div class="name">Password</div>
                    <div class="value">
                        <div class="input-group">

                            {% render_field form.password <div>
                    <button class="btn btn--radius-2 btn-danger" type="submit">Login</button>
                </div>
            </form>
                        </div>{% include "blood/footer.html" %}
<!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>

  </body>
</html>
```

Donor.html

```
{%load static%}
{% load widget_tweaks %}
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.css">

    <!-- Font special for pages-->
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i"
rel="stylesheet">

    <!-- Main CSS-->
    <link href="{% static "css/main.css" %}"rel="stylesheet" media="all">
    <style>

    </style>
  </head>
  <body>
    {% include "blood/navbar.html" %}
<div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
```

```
      <div class="wrapper wrapper--w790">
         <br><br><br>
         <div class="card card-5">
            <div class="card-heading">
               <h2 class="title">Donor Login</h2>
            </div>
            <div class="card-body">
               <form method="POST">
                  {% csrf_token %}
                  <div class="form-row">
                     <div class="name">Username</div>
                     <div class="value">
                        <div class="input-group">
                           {% render_field form.username class="input--st
                     <div class="name">Password</div>
                     <div class="value">
                        <div class="input-group">
                           {% render_field form.password class="input--style-5" %}
                        </div>
                              <button class="btn btn--radius-2 btn-danger" type="submit">Login</button>
                  </div>
               </form>
               <br>
               <p style="text-align: center;">Does not have an account ? <a style="text-decoration: none;"
href="/donor/donorsignup">Click here to register</a></p>

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

{% include "blood/footer.html" %}
<!-- Optional JavaScript -->
   <!-- jQuery first, then Popper.js, then Bootstrap JS -->
   <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
   <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
   <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRS
QQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

  </body
</html>
```

Recipientsignup.html

```
{%load static%}
{% load widget_tweaks %}
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous"><link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.14.0/css/all.css">
<!-- Font special for pages-->
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i"
rel="stylesheet">
 <!-- Main CSS--> <link href="{% static "css/main.css" %}"rel="stylesheet" media="all">
    <style>  </style>
  </head>
  <body>
    {% include "blood/navbar.html" %}
    <div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
      <div class="wrapper wrapper--w790">
        <br><br><br>
        <div class="card card-5">
          <div class="card-heading">
            <h2 class="title">Recipient Signup</h2>
          </div>
          <div class="card-body">
            <form method="POST" autocomplete="off" enctype="multipart/form-data">
              {% csrf_token %}

              <div class="form-row">
                <div class="name">First Name</div>
                <div class="value">
                  <div class="input-group">
                    {% render_field userForm.first_name|attr:'required:true'  class="input--style-5"  %}
                  </div>
                </div>
              </div>

              <div class="form-row">
                <div class="name">Last Name</div>
                <div class="value">
                  <div class="input-group">
                    {% render_field userForm.last_name|attr:'required:true'  class="input--style-5"  %}
                  </div>
                </div>
              </div>

              <div class="form-row">
                <div class="name">Username</div>
                <div class="value">
                  <div class="input-group">
                    {% render_field userForm.username|attr:'required:true'  class="input--style-5"  %}
                  </div>
                </div>
              </div>
```

```
<div class="form-row">
   <div class="name">Password</div>
   <div class="value">
      <div class="input-group">
         {% render_field userForm.password|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
</div>

<div class="form-row">
   <div class="name">Age</div>
   <div class="value">
      <div class="input-group">
         {% render_field patientForm.age|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
</div>
 <div class="form-row">
   <div class="name">Blood Group</div>
   <div class="value">
      <div class="input-group">
         <div class="rs-select2 js-select-simple select--no-search">
            <select name="bloodgroup">
               <option disabled="disabled" selected="selected">Choose option</option>
               <option>O+</option>
               <option>O-</option>
               <option>A+</option>
               <option>A-</option>
               <option>B+</option>
               <option>B-</option>
               <option>AB+</option>
               <option>AB-</option>
            </select>
            <div class="select-dropdown"></div>
         </div>
      </div>
   </div>
</div>

<div class="form-row">
   <div class="name">Disease</div>
   <div class="value">
      <div class="input-group">
         {% render_field patientForm.disease|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
</div>

<div class="form-row">
   <div class="name">Doctor Name</div>
   <div class="value">
      <div class="input-group">
         {% render_field patientForm.doctorname|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
```

```
                </div>

                <div class="form-row">
                   <div class="name">Address</div>
                   <div class="value">
                      <div class="input-group">
                         {% render_field patientForm.address|attr:'required:true'  class="input--style-5"  %}
                      </div>
                   </div>
                </div>

                <div class="form-row">
                   <div class="name">Mobile</div>
                   <div class="value">
                      <div class="input-group">
                         {% render_field patientForm.mobile|attr:'required:true'  class="input--style-5"  %}
                      </div>
                   </div>
                </div>

                <div class="form-row">
                   <div class="name">Profile Pic</div>
                   <div class="value">
                      <div class="input-group">
                         {% render_field patientForm.profile_pic|attr:'required:true'  class="input--style-5"  %}
                      </div>


                     <button class="btn btn--radius-2 btn-danger" type="submit">Register</button>
                   </div>
                </form>
                <br>
                <p style="text-align: center;">Already have an account ? <a style="text-decoration: none;"
href="/patient/patientlogin">Click here to login</a></p>

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

  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>

  </body>
</html>
<!--
developed By : js
-->
```

Manage.py

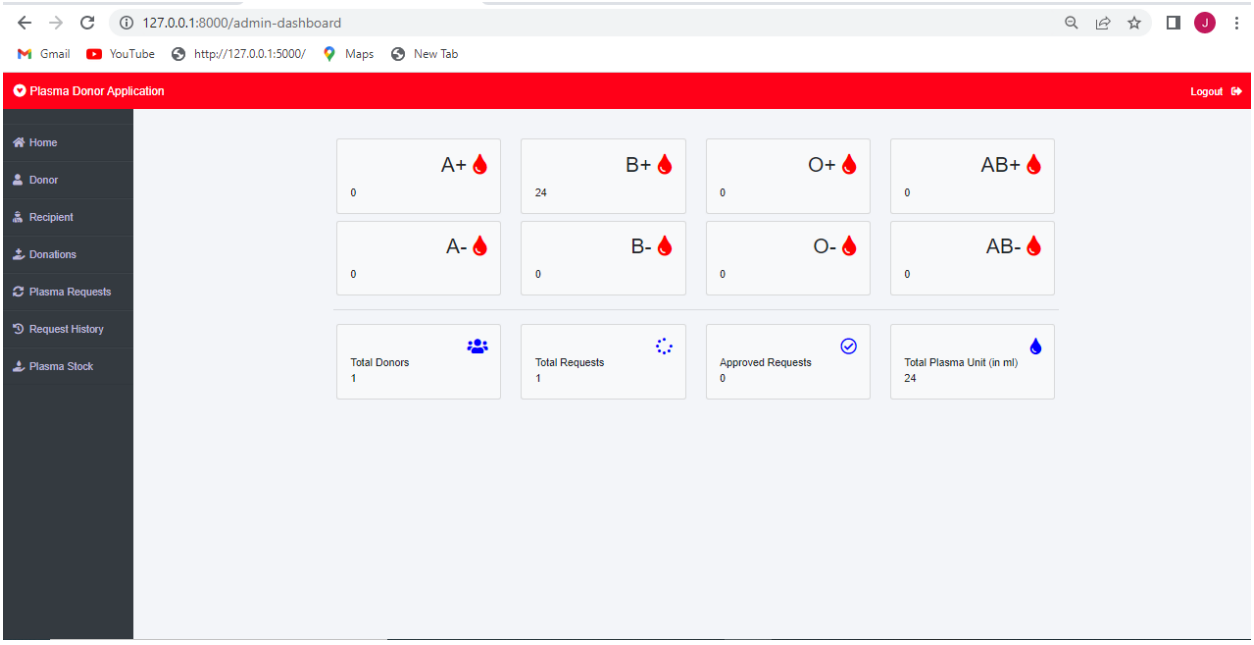
```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
def main():
    os.environ.setdefault('DJANGO_SETTINGS_MODULE',
'plasmabankmanagement.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from execute_from_command_line(sys.argv)
if __name__ == '__main__':
    main()
```

Requirements.txt

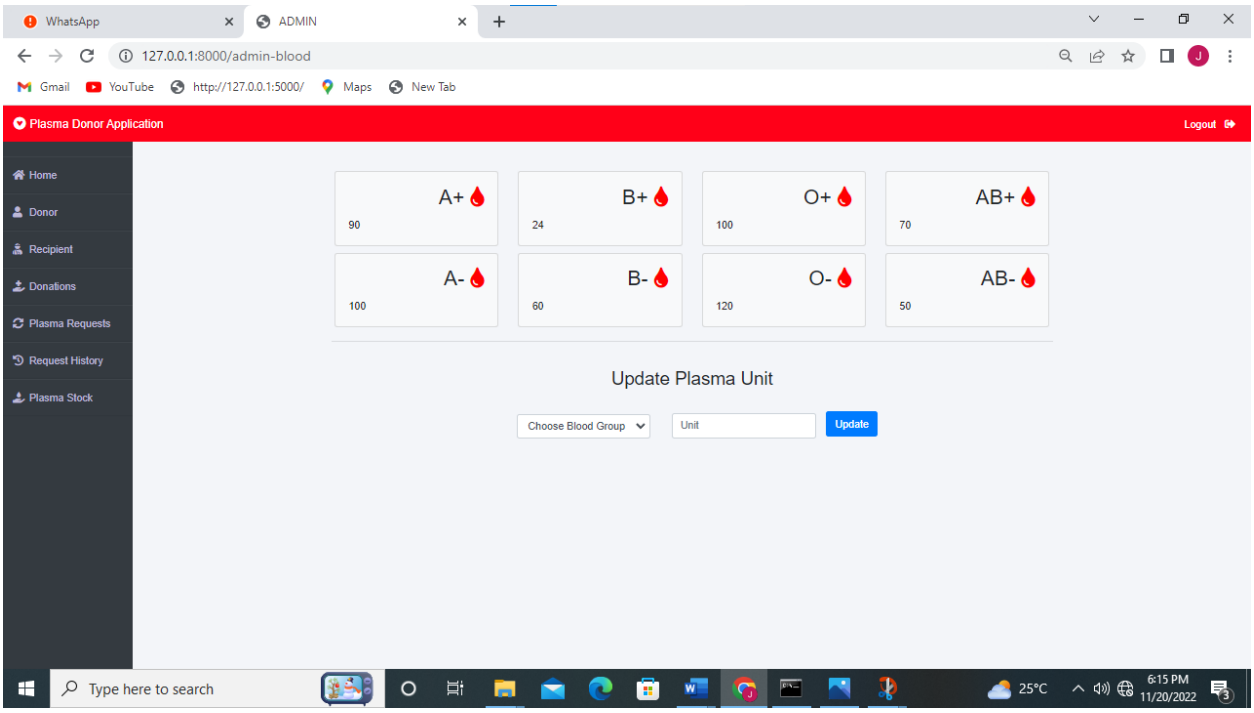
```
asgiref==3.2.7
Django==3.0.5
django-widget-tweaks==1.4.8
pytz==2020.1
sqlparse==0.3.1
```

7.2 FEATURES

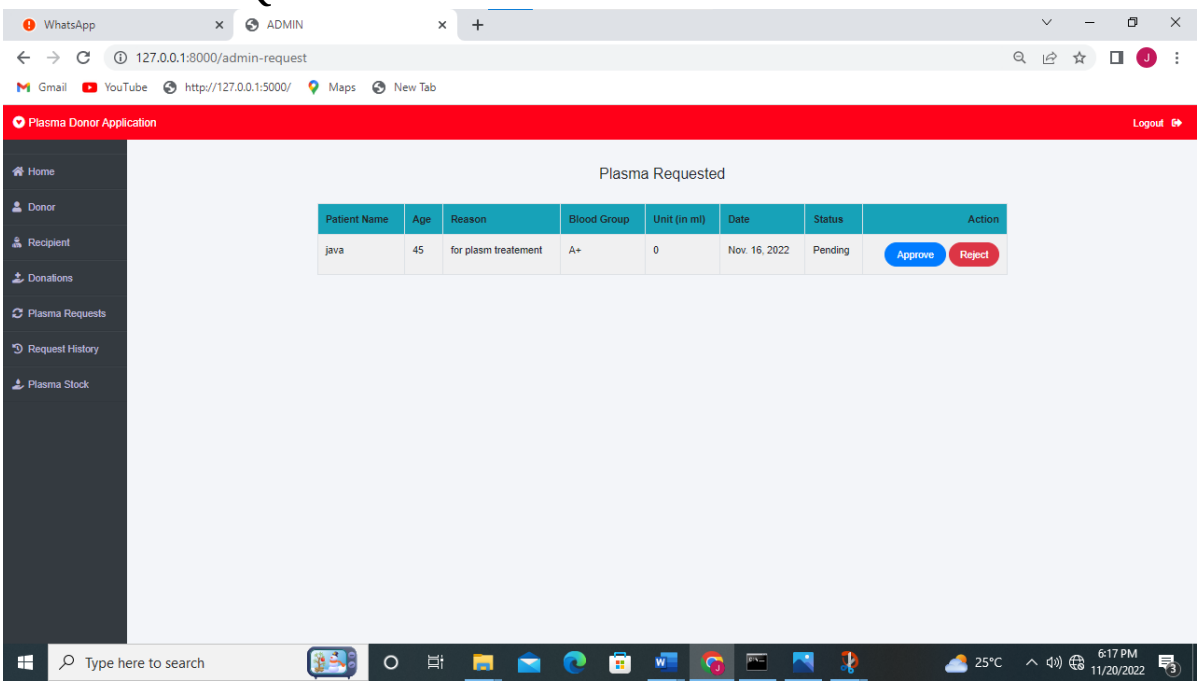
Dashboard



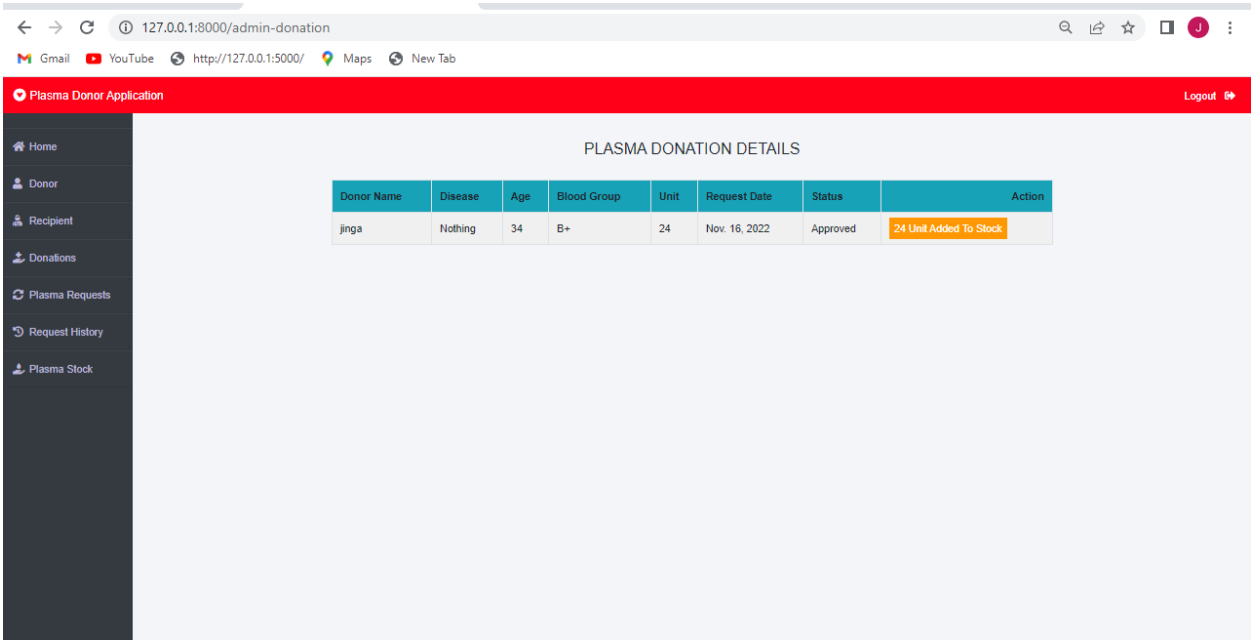
Display the plasma available



PLASMA REQUEST



PLASMA DONATION DETAILS



Dashboard.html

```
{% extends 'blood/adminbase.html' %}
{% block content %}
<br><br>
<div class="container">

   <div class="row">
      <div class="col-sm-3">
        <div class="card bg-light">
          <div class="card-body">
             <div class="blood">
                <h2>A+ <i class="fas fa-tint"></i></h2>
             </div><br><br>
             <div>
                {{A1.unit}}
             </div>
          </div>
        </div>
      </div>
      <div class="col-sm-3">
         <div class="card bg-light">
            <div class="card-body">
               <div class="blood">
                  <h2>B+ <i class="fas fa-tint"></i></h2>
               </div><br><br>
               <div>
                 {{B1.unit}}
               </div>
            </div>
          </div>
      </div>
      <div class="col-sm-3">
         <div class="card bg-light">
            <div class="card-body">
```

```
            <div class="blood">
               <h2>O+ <i class="fas fa-tint"></i></h2>
            </div><br><br>
            <div>
              {{O1.unit}}
            </div>
          </div>
        </div>
    </div>
    <div class="col-sm-3">
      <div class="card bg-light">
        <div class="card-body">
            <div class="blood">
               <h2>AB+ <i class="fas fa-tint"></i></h2>
            </div><br><br>
            <div>
              {{AB1.unit}}
            </div>
          </div>
        </div>
    </div>
</div>

<div class="row">
  <div class="col-sm-3">
    <div class="card bg-light">
      <div class="card-body">
          <div class="blood">
             <h2>A- <i class="fas fa-tint"></i></h2>
          </div><br><br>
          <div>
            {{A2.unit}}
          </div>
      </div>
    </div>
```

```
</div>
<div class="col-sm-3">
   <div class="card bg-light">
      <div class="card-body">
         <div class="blood">
            <h2>B- <i class="fas fa-tint"></i></h2>
         </div><br><br>
         <div>
           {{B2.unit}}
         </div>
      </div>
    </div>
</div>
<div class="col-sm-3">
   <div class="card bg-light">
      <div class="card-body">
         <div class="blood">
            <h2>O- <i class="fas fa-tint"></i></h2>
         </div><br><br>
         <div>
           {{O2.unit}}
         </div>
      </div>
    </div>
 </div>
 <div class="col-sm-3">
   <div class="card bg-light">
      <div class="card-body">
         <div class="blood">
            <h2>AB- <i class="fas fa-tint"></i></h2>
         </div><br><br>
         <div>
           {{AB2.unit}}
         </div>
      </div>
```

```
            </div>
          </div>
      </div>
<hr>
    <div class="row">
      <div class="col-sm-3">
        <div class="card bg-light">
          <div class="card-body">
            <div class="blood">
              <i class="fas fa-users"></i>
            </div><br>
            <div>
              Total Donors <br>
              {{totaldonors}}
            </div>
          </div>
        </div>
      </div>
      <div class="col-sm-3">
        <div class="card bg-light">
          <div class="card-body">
            <div class="blood">
              <i class="fas fa-spinner"></i>
            </div><br>
            <div>
              Total Requests <br>
              {{totalrequest}}
            </div>
          </div>
        </div>
      </div>
      <div class="col-sm-3">
        <div class="card bg-light">
          <div class="card-body">
            <div class="blood">
```

```
                <i class="far fa-check-circle"></i>
              </div><br>
              <div>
                Approved Requests <br>
                {{totalapprovedrequest}}
              </div>
            </div>
          </div>
        </div>
        <div class="col-sm-3">
          <div class="card bg-light">
            <div class="card-body">
              <div class="blood">
                <i class="fas fa-tint xyz"></i>
              </div><br>
              <div>
                Total Plasma Unit (in ml) <br>
                {{totalbloodunit}}
              </div>
            </div>
          </div>
        </div>
    </div>
</div>


{% endblock content %}
<!--
developed By : JS

-->
```

Plasmarequest.html

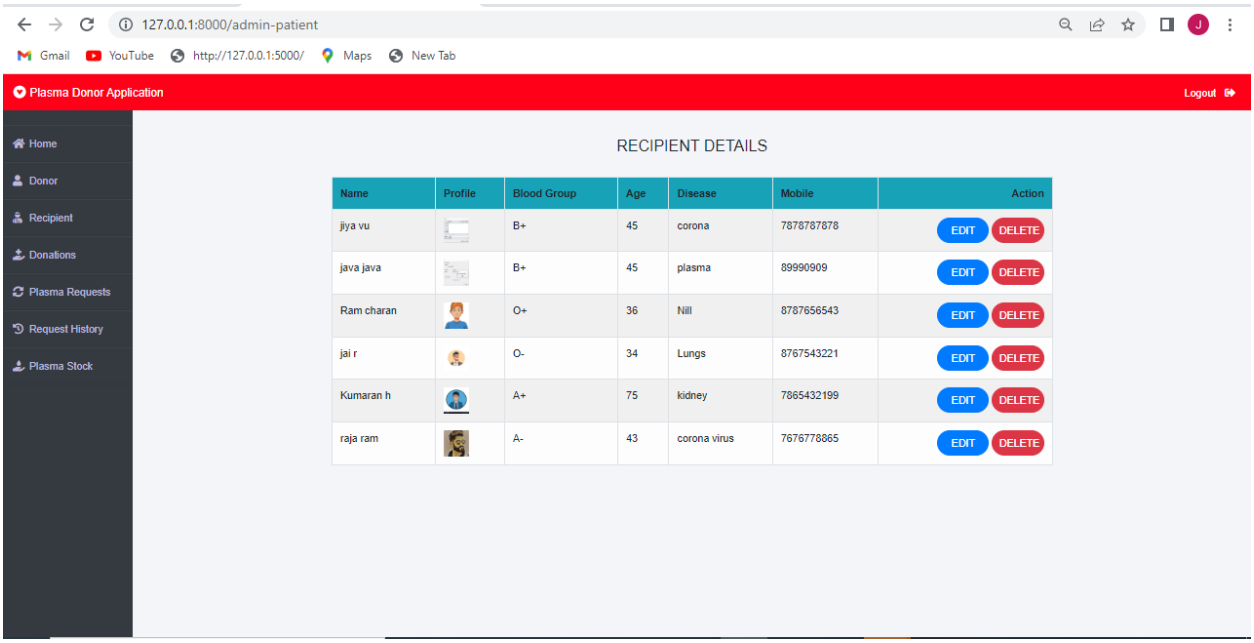
```
{% extends 'patient/patientbase.html' %}
{% block content %}
{% load widget_tweaks %}
{%load static%}
<head>
        <!-- Font special for pages-->
        <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400
,400i,600,600i,700,700i,800,800i" rel="stylesheet">

        <!-- Main CSS-->

        <link href="{% static "css/main.css" %}"rel="stylesheet"
media="all">
</head>
<div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
    <div class="wrapper wrapper--w790">

        <div style="margin-left: 70px;" class="card card-5">
            <div class="card-heading">
                <h2 class="title">MAKE PLASMA REQUEST</h2>
            </div>
            <div class="card-body">
                <form method="POST" autocomplete="off"
enctype="multipart/form-data">
                    {% csrf_token %}

                    <div class="form-row">
                        <div class="name">Patient Name</div>
                        <div class="value">
                            <div class="input-group">
                                {% render_field
request_form.patient_name|attr:'required:true'  class="input--style-5"
                    <div class   <div class="name">Patient Age</div>
```

```
                    <div class="value">
                        <div class="input-group">
                            {% render_field
request_form.patient_age|attr:'required:true'  class="input--style-5"  %}
                         <div class="form-row">
                    <div class="name">Reason</div>
                    <div class="value">
                        <div class="input-group">
                            {% render_field
request_form.reason|attr:'required:true'  class="input--style-5"  %}
                    <div class="form-row">
                    <div class="name">Blood Group</div>
                    <div class="value">
                        <div class="input-group">
                            <div class="rs-select2 js-select-simple select--no-
search">
                                <select name="bloodgroup">
                                    <option disabled="disabled"
selected="selected">Choose option</option>
                                    <option>O+</option>
                                    <option>O-</option>
                                    <option>A+</option>
                                    <option>A-</option>
                                    <option>B+</option>
                                    <option>B-</option>
                                    <option>AB+</option>
                                    <option>AB-</option>
                                </select>
                                <div class="select-dropdown"></div>
                            </div>
                        </div>
                    </div>
                </div>

                <div class="form-row">
```

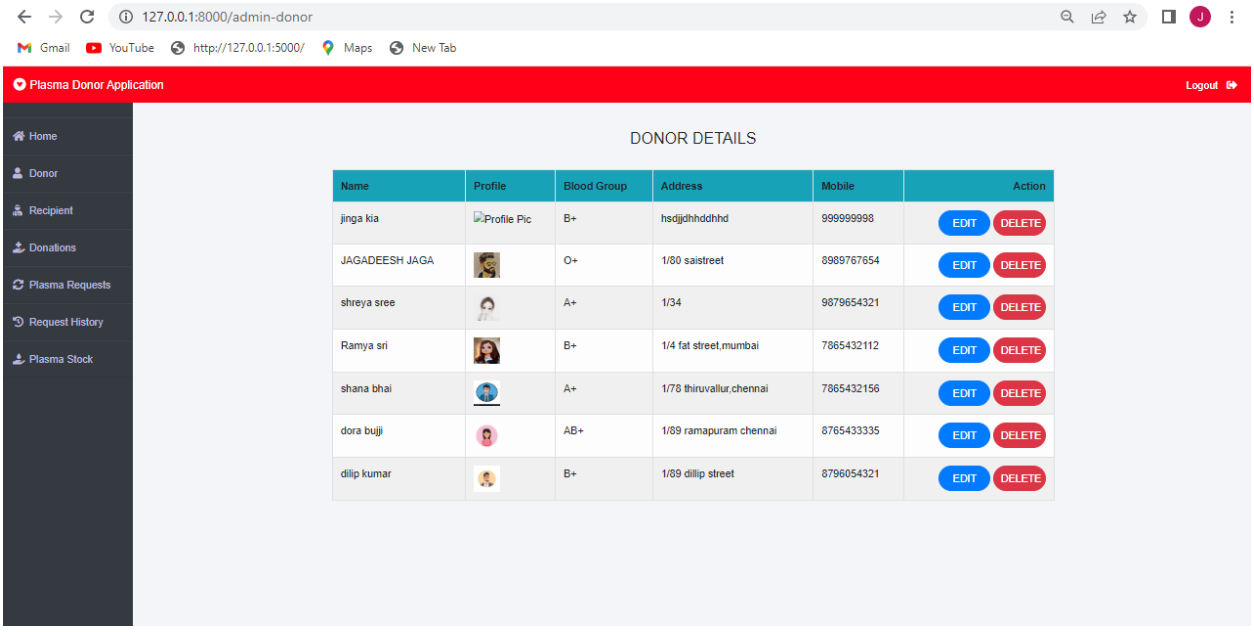
```
                    <div class="name">Unit (in ml)</div>
                    <div class="value">
                        <div class="input-group">
                            {% render_field request_form.unit|attr:'required:true'
class="input--style-5"  %}
                        </div>
                    </div>
                </div>

    <!--
developed By : sumit kumar
facebook : fb.com/sumit.luv
youtube : youtube.com/lazycoders
-->




                <div>
                    <button class="btn btn--radius-2 btn-danger"
type="submit">REQUEST</button.  </div>
            </form>
            <br>


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

{% endblock content %}
```

7.3 DATABASE SCHEMA

Recipient Detials



Donor Detials



CHAPTER 8
TESTING

8.1 TESTCASE

					Date	16-Nov-22							
					Team ID	PNT2022TMID25505							
					Project Name	Plasma Donor Application							
					Maximum Marks	4 marks							
	Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Commnets	TC for Automation(Y/N)	BUG ID	Executed By
	LoginPage_TID_02	UI	Home Page	Verify the UI elements in Login/ Signup	-	a.password :box b.Login button c.New customer? Creat account d.Last password? Recovery password link	-	c.New customer? Create account link	Working as expected	Pass		Y		Berlin suderson N
	LoginPage_TID_03	Functional	Home page	Verify user is log into application with Valid credentials	-	User should navigate to Donor / recipient requested page	Username: Kumar password: jetpacks	User should navigate to user account homepage	Working as expected	Pass		Y		jeyaseelan R
	LoginPage_TID_04	Functional	Login page	Verify user is log into application with InValid credentials	-	Application should show login successfully or incorrect credentials.	Username: Kumar password: jetpacks	Application should show 'Incorrect email or password ' validation message.	Working as expected	Pass		Y		Manoj Kumar R
	LoginPage_TID_05	Functional	Login page	Verify user is log into application with InValid credentials	-	Admin login should navigate to dashboard and perform the maintenance of datas	Username: Admin password: jagadeesh	Application should show 'Incorrect email or password ' validation message.	Working as expected	Pass		Y		Sam Wesley N
	LoginPage_TID_06	Functional	Login page	Verify user is log into application with InValid credentials	-	Application should show login successfully or incorrect credentials.	Username: Admin password: jagadeesh	Application should show 'Incorrect email or password ' validation message.	Working as expected	Pass		Y		Jagadeesh G

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 Plasma Donor Application 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	4	20
Duplicate	1	0	2	0	3
External	2	1	0	1	4
Fixed	3	2	2	10	17
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	3	2	1	6
Totals	16	10	10	17	53

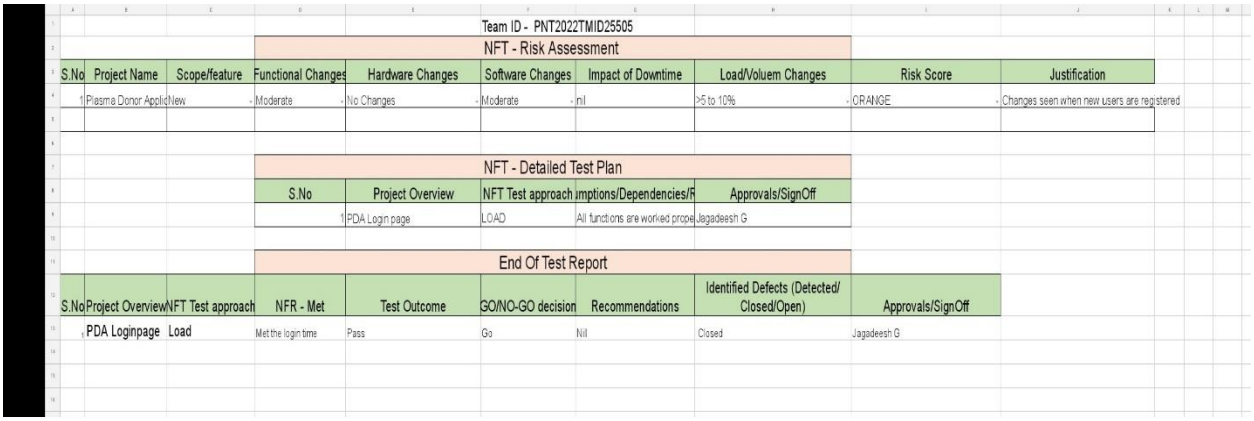
3. Test Case Analysis

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

Section	Total Cases	Not Tested	Fail	Pass
Print Engine	10	0		10
Client Application	15	0	0	15
Security	2	0	0	2
Outsource Shipping	1	0	0	1
Exception Reporting	8	0	0	8
Final Report Output	2	0	0	2
Version Control	1	0	0	1

CHAPTER 9
RESULTS

9.1 PERFORMANCE METRICES:



Team ID - PNT2022TMID25505

NFT - Risk Assessment

S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/Voluem Changes	Risk Score	Justification
1	Plasma Donor Applic	New	Moderate	No Changes	Moderate	nil	>5 to 10%	ORANGE	Changes seen when new users are registered

NFT - Detailed Test Plan

S.No	Project Overview	NFT Test approach	mptions/Dependencies/R	Approvals/SignOff
1	PDA Login page	LOAD	All functions are worked prope	Jagadeesh G

End Of Test Report

S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/NO-GO decision	Recommendations	Identified Defects (Detected/ Closed/Open)	Approvals/SignOff
1	PDA Loginpage	Load	Met the login time	Pass	Go	Nil	Closed	Jagadeesh G

CHAPTER 10
ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- User friendly very simple to use
- Availability of 24hours
- Very much helpful at times of emergency as this app helps us to finddonors easily.
- User friendly interface of the app makes it easier to interact
- Helps very much in voluntary activities.
- Clear details of donors and acceptors can be found once request/donationis placed

DISADVANTAGES:

- Since it is a beta verision some user troubles couldn’t be handled
- Verification of details from Admin side could make delay.

CHAPTER 11

CONCLUSION:

Enhanced application for donating plasma has been developed to help to get plasma and donate plasma in pandemic situation and it makes an easier task.This application will attract more users as it is user friendly.This application to ease the process of becoming a donor and recipient of plasma.

CHAPTER12

FUTURE SCOPE

One important future is the availability of location based plasma bank details and extraction of location based donors detail,which is very helpful to the acceptant people. Upgrading the UI that is more user-friendly which will help many users to access the website and also ensures that many plasma donors can be added into the community.

Using elastic load balancer, it helps to handle multiple requests at the same time which will maintain the uptime of the website with negligible downtime.

CHAPTER13

APPENDIX

13.1 SOURCE CODE:

Adminlogin.html

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head> <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.css">
  <!-- Font special for pages-->
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i"
rel="stylesheet">
 <!-- Main CSS-->
    <link href="{% static "css/main.css" %}"rel="stylesheet" media="all">
   </style>
  </head>
  <body>
    {% include "blood/navbar.html" %}
  <div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
       <div class="wrapper wrapper--w790">
```

```
        <br><br><br>
        <div class="card card-5">
           <div class="card-heading">
              <h2 class="title">Admin Login</h2>
           </div>
           <div class="card-body">
              <form method="POST">
                 {% csrf_token %}
                 <div class="form-row">
                    <div class="name">Username</div>
                    <div class="value">
                       <div class="input-group">

                          {% render_field form.username class="input--style-5"%}

                 <div class="form-row">
                    <div class="name">Password</div>
                    <div class="value">
                       <div class="input-group">

                          {% render_field form.password <div>
                    <button class="btn btn--radius-2 btn-danger" type="submit">Login</button>
                 </div>
              </form>
                          </div>{% include "blood/footer.html" %}
<!-- Optional JavaScript -->
   <!-- jQuery first, then Popper.js, then Bootstrap JS -->
   <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
   <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>

  </body>
</html>
```

Donor.html

```
{%load static%}
{% load widget_tweaks %}
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.css">

   <!-- Font special for pages-->
   <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i"
```

```
rel="stylesheet">

    <!-- Main CSS-->
    <link href="{% static "css/main.css" %}"rel="stylesheet" media="all">
    <style>

    </style>
  </head>
  <body>
    {% include "blood/navbar.html" %}
<div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
        <div class="wrapper wrapper--w790">
            <br><br><br>
            <div class="card card-5">
                <div class="card-heading">
                    <h2 class="title">Donor Login</h2>
                </div>
                <div class="card-body">
                    <form method="POST">
                        {% csrf_token %}
                        <div class="form-row">
                            <div class="name">Username</div>
                            <div class="value">
                                <div class="input-group">
                                    {% render_field form.username class="input--st
                            <div class="name">Password</div>
                            <div class="value">
                                <div class="input-group">
                                    {% render_field form.password class="input--style-5" %}
                                </div>
                                        <button class="btn btn--radius-2 btn-danger" type="submit">Login</button>
                        </div>
                    </form>
                    <br>
                    <p style="text-align: center;">Does not have an account ? <a style="text-decoration: none;"
href="/donor/donorsignup">Click here to register</a></p>

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

{% include "blood/footer.html" %}
<!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRS
QQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

  </body
```

```
</html>
```

Recipientsignup.html

```
{%load static%}
{% load widget_tweaks %}
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous"><link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.14.0/css/all.css">
<!-- Font special for pages-->
    <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i"
rel="stylesheet">
 <!-- Main CSS--> <link href="{% static "css/main.css" %}"rel="stylesheet" media="all">
    <style>  </style>
  </head>
  <body>
    {% include "blood/navbar.html" %}
    <div class="page-wrapper bg-gra-03 p-t-45 p-b-50">
      <div class="wrapper wrapper--w790">
        <br><br><br>
        <div class="card card-5">
          <div class="card-heading">
            <h2 class="title">Recipient Signup</h2>
          </div>
          <div class="card-body">
            <form method="POST" autocomplete="off" enctype="multipart/form-data">
              {% csrf_token %}

              <div class="form-row">
                <div class="name">First Name</div>
                <div class="value">
                  <div class="input-group">
                    {% render_field userForm.first_name|attr:'required:true'  class="input--style-5"  %}
                  </div>
                </div>
              </div>

              <div class="form-row">
                <div class="name">Last Name</div>
                <div class="value">
                  <div class="input-group">
                    {% render_field userForm.last_name|attr:'required:true'  class="input--style-5"  %}
                  </div>
                </div>
```

```
</div>

<div class="form-row">
   <div class="name">Username</div>
   <div class="value">
      <div class="input-group">
         {% render_field userForm.username|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
</div>

<div class="form-row">
   <div class="name">Password</div>
   <div class="value">
      <div class="input-group">
         {% render_field userForm.password|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
</div>

<div class="form-row">
   <div class="name">Age</div>
   <div class="value">
      <div class="input-group">
         {% render_field patientForm.age|attr:'required:true'  class="input--style-5"  %}
      </div>
   </div>
</div>
 <div class="form-row">
   <div class="name">Blood Group</div>
   <div class="value">
      <div class="input-group">
         <div class="rs-select2 js-select-simple select--no-search">
            <select name="bloodgroup">
               <option disabled="disabled" selected="selected">Choose option</option>
               <option>O+</option>
               <option>O-</option>
               <option>A+</option>
               <option>A-</option>
               <option>B+</option>
               <option>B-</option>
               <option>AB+</option>
               <option>AB-</option>
            </select>
            <div class="select-dropdown"></div>
         </div>
      </div>
   </div>
</div>

<div class="form-row">
   <div class="name">Disease</div>
   <div class="value">
      <div class="input-group">
         {% render_field patientForm.disease|attr:'required:true'  class="input--style-5"  %}
      </div>
```

```
                </div>
            </div>

            <div class="form-row">
                <div class="name">Doctor Name</div>
                <div class="value">
                    <div class="input-group">
                        {% render_field patientForm.doctorname|attr:'required:true'  class="input--style-5"  %}
                    </div>
                </div>
            </div>

            <div class="form-row">
                <div class="name">Address</div>
                <div class="value">
                    <div class="input-group">
                        {% render_field patientForm.address|attr:'required:true'  class="input--style-5"  %}
                    </div>
                </div>
            </div>

            <div class="form-row">
                <div class="name">Mobile</div>
                <div class="value">
                    <div class="input-group">
                        {% render_field patientForm.mobile|attr:'required:true'  class="input--style-5"  %}
                    </div>
                </div>
            </div>

            <div class="form-row">
                <div class="name">Profile Pic</div>
                <div class="value">
                    <div class="input-group">
                        {% render_field patientForm.profile_pic|attr:'required:true'  class="input--style-5"  %}
                    </div>


                <button class="btn btn--radius-2 btn-danger" type="submit">Register</button>
                </div>
            </form>
            <br>
            <p style="text-align: center;">Already have an account ? <a style="text-decoration: none;"
href="/patient/patientlogin">Click here to login</a></p>

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

  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
```

```
   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>

  </body>
</html>
<!--
developed By : js
-->
```

Manage.py

```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
def main():
    os.environ.setdefault('DJANGO_SETTINGS_MODULE',
'plasmabankmanagement.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from execute_from_command_line(sys.argv)
if __name__ == '__main__':
    main()
```

Requirements.txt

```
asgiref==3.2.7
Django==3.0.5
django-widget-tweaks==1.4.8
pytz==2020.1
sqlparse==0.3.1
```

13.2 GITHUB AND DEMOLINK

https://github.com/IBM-EPBL/IBM-Project-27978-1660103270

https://youtu.be/xQyfqLKv_QE