

Plasma Donor Application

A PROJECT REPORT

Submitted By

JAGADEESH.G	210819205015
BERLIN SUDERSON.N	210819205006
SAM WESLEY.N	210819205044
MANOJ KUMAR.R	210819205030
JEYASEELAN.R	210819205020

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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 are not 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 Milk properly. 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, Android application.. 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 such illness. 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

2.1 EXISTING PROBLEMS

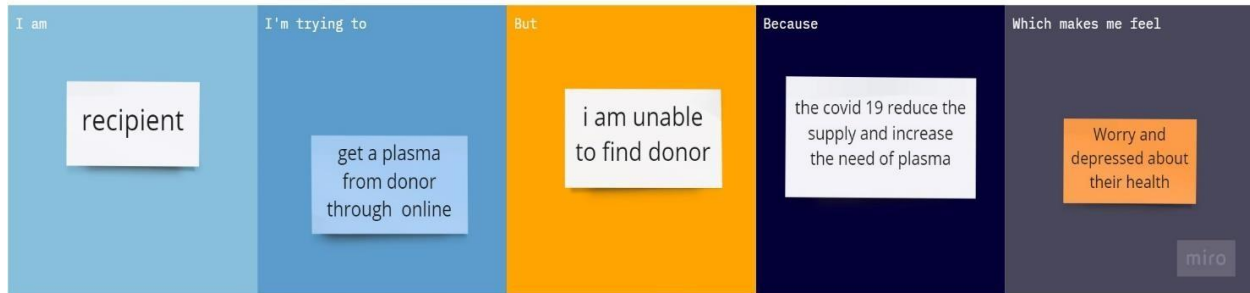
There has been rise in sudden deaths due to Covid 19 because it has no medicine to recover from the covid so to stop the death rate the medical providers start the convalescent therapy to boost the immunity of the patient. There are a quite good number of softwares exist for Plasma donor application. In the covid pandemic the use of plasma was increased. But they find it difficulty to identify and when I visited 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	anxious
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CHAPTER 3

IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS

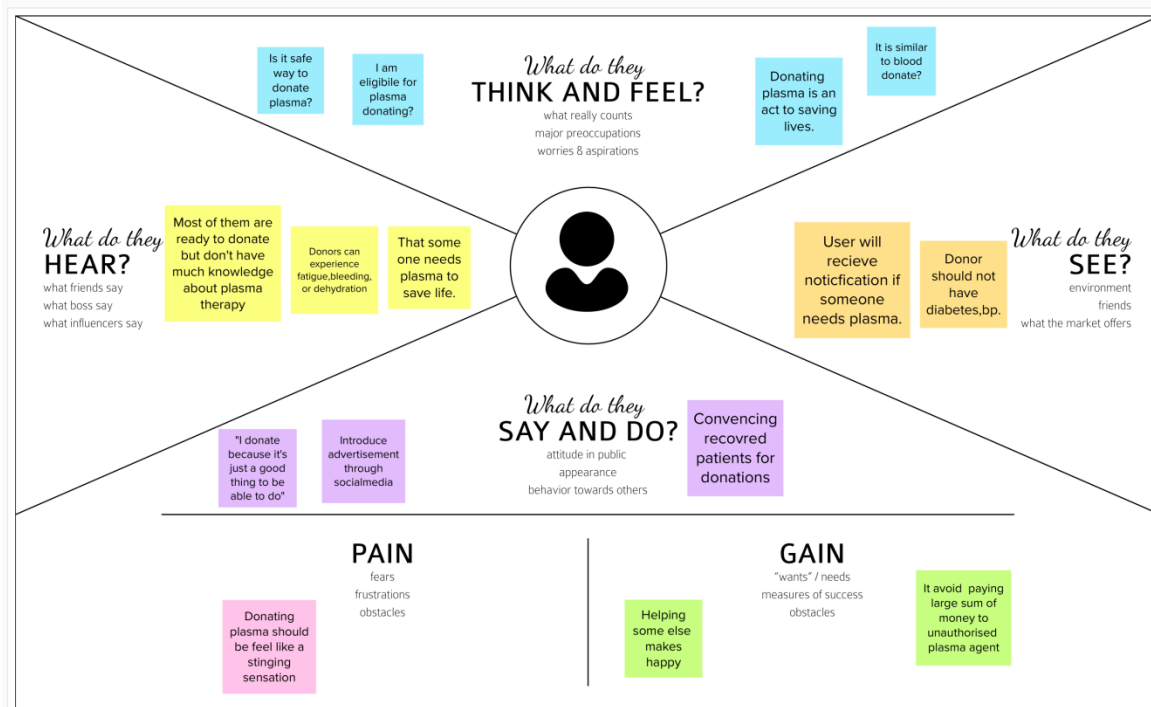
Edit this template
Right-click to unlock

Empathy Map Canvas

Gain insight and understanding on solving customer problems.

1

Build empathy and keep your focus on the user by putting yourself in their shoes.




Share your feedback

3.2 IDEATION & BRAINSTORMING

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

Template




Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare
🕒 1 hour to collaborate
👤 2-8 people recommended

[Share template feedback](#)



Before you collaborate

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

🕒 10 minutes

A

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

Set the goal

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

C

Learn how to use the facilitation tools

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

[Open article](#) ➔

1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

A person who has recovered from a particular disease can donate 100ml 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 & recipients by an online application to enter the application and the user either raise a request for plasma donation or recipient.

Key rules of brainstorming

To run a smooth and productive session

🗣️ Stay in topic.

💡 Encourage wild ideas.

🙊 Defer judgment.

👂 Listen to others.

🗣️ Go for volume.

👁️ If possible, be visual.

10

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕒 10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

jagadeesh G

Donors need to register themselves

Donor has option to accept or decline the request

Donor should upload their health report upon register

Before donating, plasma sample are taken from the donor body has to be examined by a medical expert .

Ensure that the user's use the app efficiently

Availability of 24X7

Recipient also need to register

Donor Should be atleast 18 years old and weight should be 50 kgs or above

Allow requestor to see list of eligible donors along with contact info for them to make direct request in case of any emergency situation.

check near by blood bank when donor is not available

Donation camps

what can we do and dont's after plasma donation

Recipient made plasma request

store the donor details in the cloud

Otp verification for phone number and email id upon signing up to prevent fake registration

Donors has to submit the test report for they doesn't have any comorbidis

Samwesley.N

Promocodes to donor

Marketing by creating posts in social media

Once the plasma extraction date was fixed are not changeable

women who have ever been pregnant cannot donate covid-19 convalescent

A person can not donate if he/she gets rejected for the lack of adequate antibodies in the blood.

Donor has to submit covid negative result (RTPCR)

Ensure that the request made by eligible donor

Certificate to be given to the donors for donating the plasma

User friendly

A person who has recieved covid 19 vaccination will not able to donate plasma for 28days from the date of vaccination

In case you were asymptomatic, donate only after 14 days of a covid positives

Option for recievers to select whether the request is emergency or not

Manoj kumar.R

Blood group description can be collected from both donor and recipient and it can be examined

Filter based on blood groups

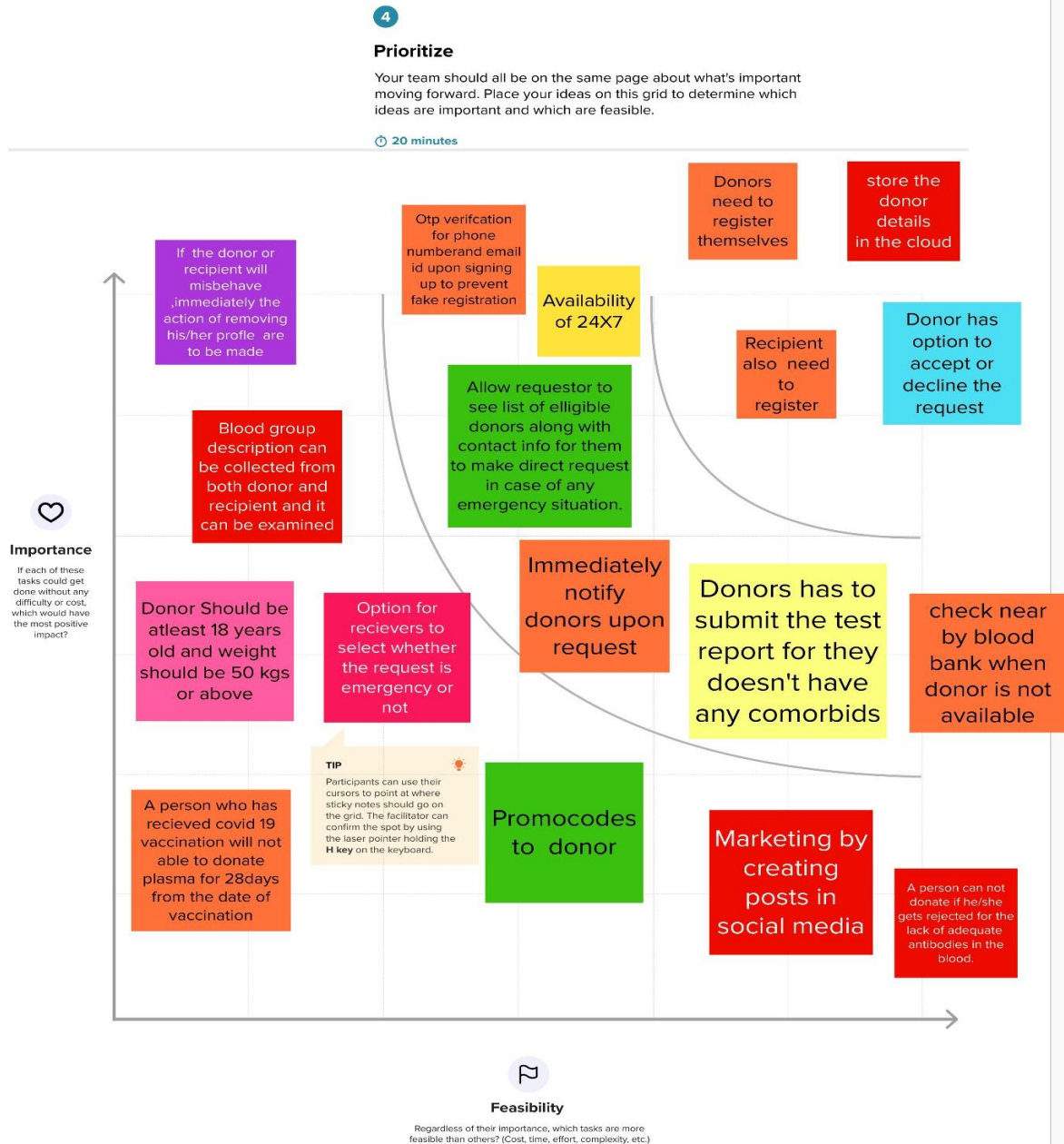
If the donor or recipient will misbehave ,immediately the action of removing his/her profile are to be made

Immediately notify donors upon request

seperate pages for donor and recipient

The receiver is able to find the precise location of the donors

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	<ul style="list-style-type: none"> • 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)	<input type="checkbox"/> People will get used to this application, by collaborating with government and organizing blood donation camps.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Existing application can only show the information about donor and recipient 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.			
	2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Due to Covid 19 the need of plasma is high, where the demand for donors arises, and we need to notify the available donors for the emergency 	7. BEHAVIOUR BE <ul style="list-style-type: none"> By conducting camp create a awareness to donate plasma. Patients assume that as soon as a request is made, a list of available donors will appear. 	Focus on J&P, tap into BE, understand
Identify strong TR & EM	3. TRIGGERS TR <ul style="list-style-type: none"> Notify donor when patient needs plasma. Volunteerism to help Allowing users to request plasma to available users 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> 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 eligible donors along with contact info for them to make direct request in case of any emergency situation. 	8. CHANNELS of BEHAVIOUR CH <p>ONLINE</p> <ul style="list-style-type: none"> The user should register into the application through mobile with internet connection. Advertisement in social medias. <p>OFFLINE</p> <ul style="list-style-type: none"> creating a awareness to donor by conducting a camp. 	Extract online & offline CH of BE			
	4. EMOTIONS: BEFORE / AFTER EM <p>Emotion Before</p> <ul style="list-style-type: none"> 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. <p>Emotion After</p> <ul style="list-style-type: none"> 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.

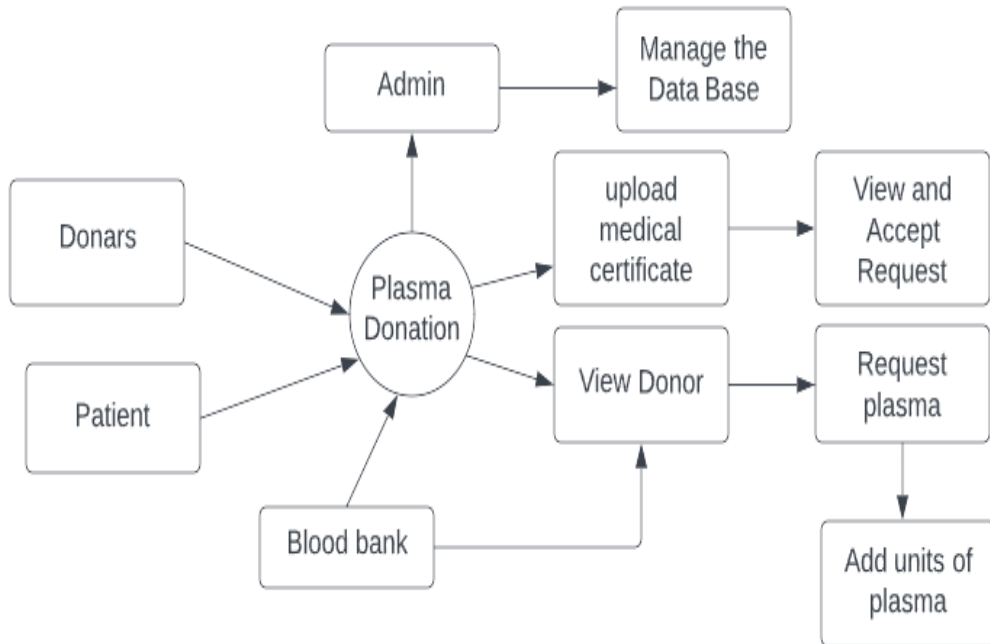
4.2 NONFUNCTIONAL REQUIREMENTS:

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

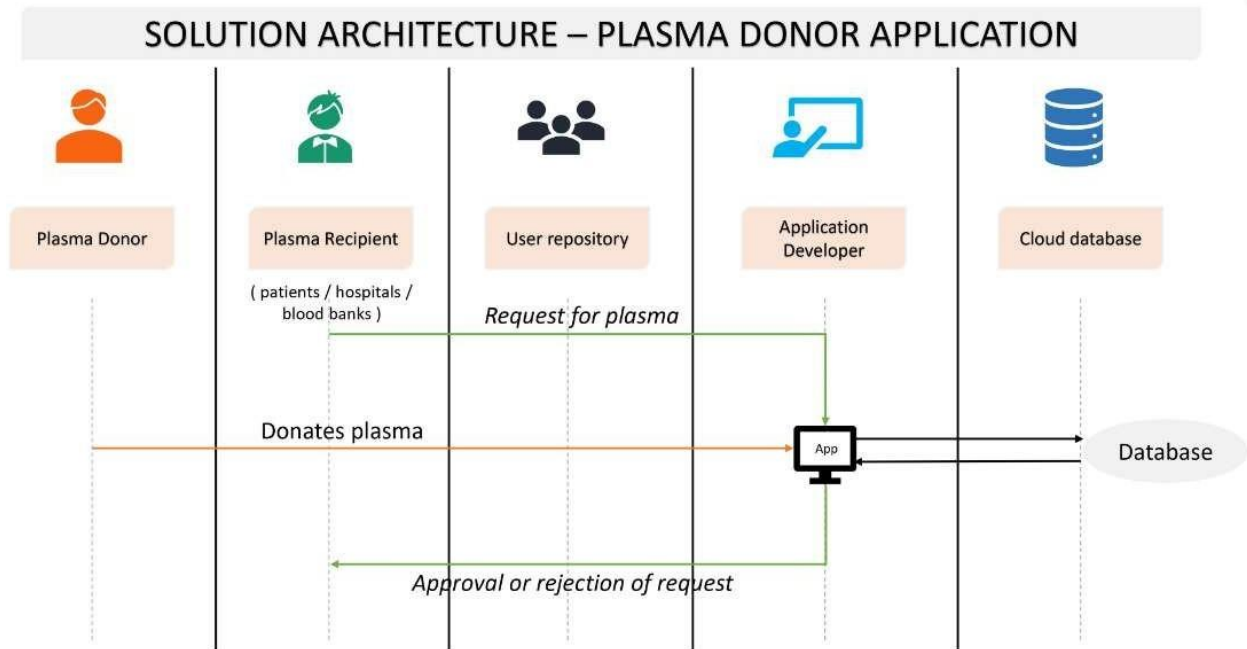
PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS

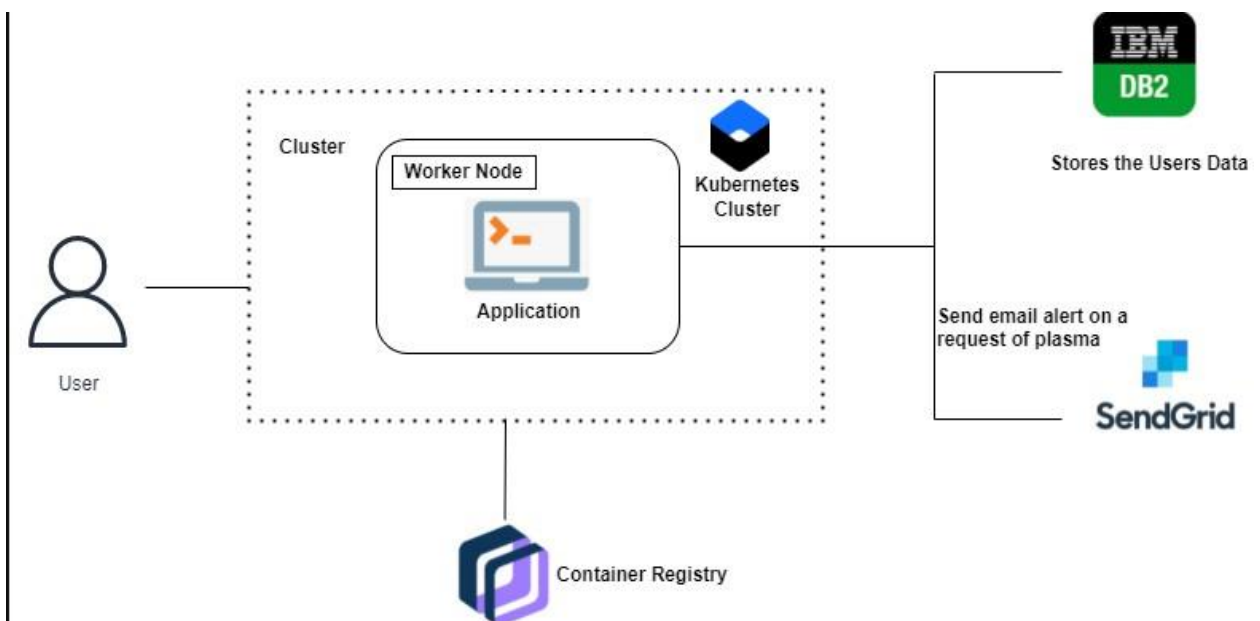


5.2 SOLUTION ARCHITECTURE & TECHNICAL ARCHITECTURE

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

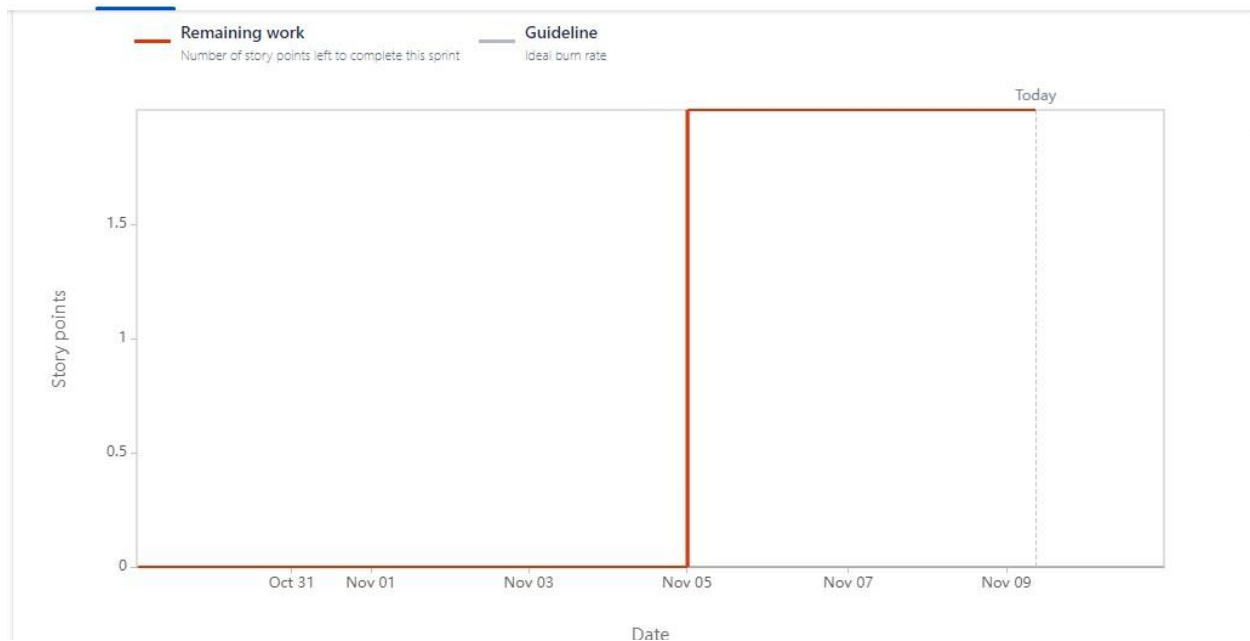
6.1 SPRINT PLANNING & ESTIMATION:

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:

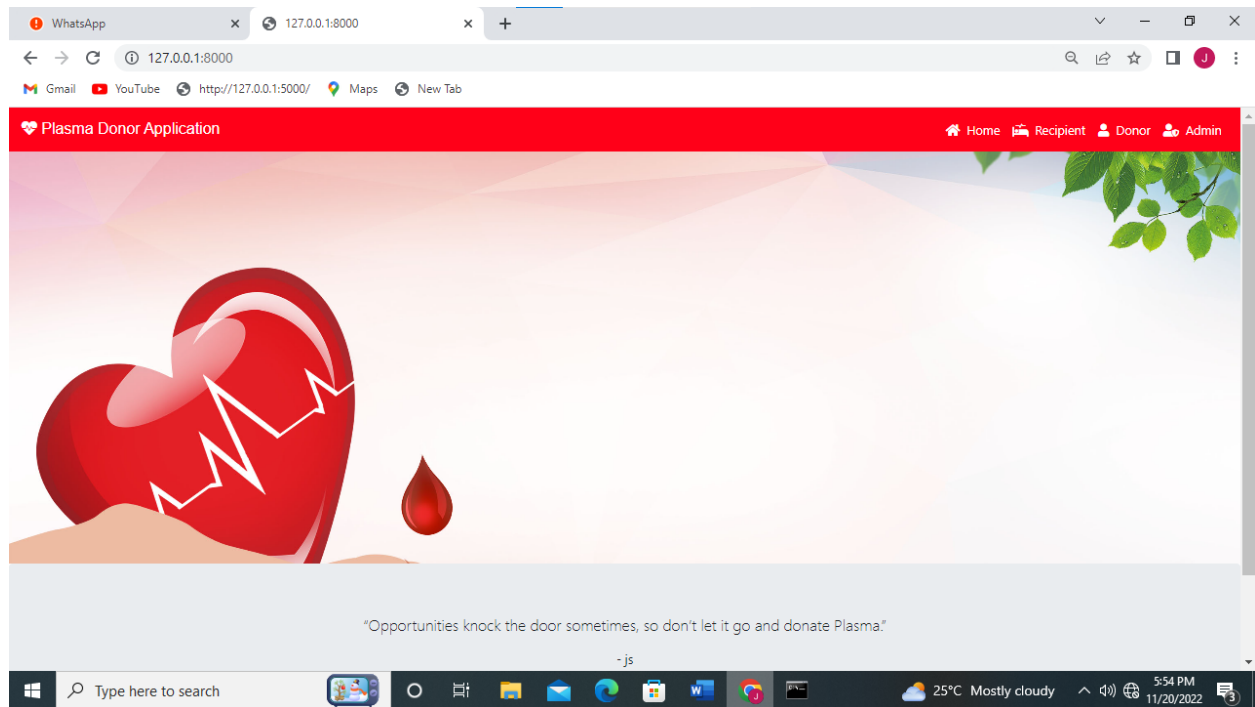


CHAPTER 7

CODING & SOLUTIONING

7.1 FEATURE 1

HOME PAGE



ADMIN LOGIN

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/adminlogin". The page title is "Plasma Donor Application". The navigation bar includes links for Home, Recipient, Donor, and Admin. The main content area features a central "ADMIN LOGIN" form with a black header. The form contains two input fields: "Username" with the value "admin" and "Password" with masked characters "*****". A red "LOGIN" button is positioned below the password field. The background of the page is a blue and purple gradient. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons, along with system information: 26°C Haze, 4:57 AM, and 11/17/2022.

127.0.0.1:8000/adminlogin

Plasma Donor Application

Home Recipient Donor Admin

ADMIN LOGIN

Username admin

Password *****

LOGIN

Type here to search

26°C Haze 4:57 AM 11/17/2022

DONOR SIGNUP

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/donor/donorsignup". The page title is "Plasma Donor Application". The navigation bar includes links for Home, Recipient, Donor, and Admin. The main content area features a central "DONOR SIGNUP" form with a black header. The form contains several input fields: "First Name", "Last Name", "Username" (with "admin" entered), "Password" (masked), "Blood Group" (a dropdown menu showing "Choose option"), "Address", "Mobile", and "Profile Pic" (a file upload button showing "Choose File" and "No file chosen"). A red "REGISTER" button is at the bottom of the form. Below the button, there is a link: "Already have an account ? Click here to login". The background of the page is a blue and purple gradient. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons, along with system information: 25°C, 6:04 PM, and 11/20/2022.

127.0.0.1:8000/donor/donorsignup

Plasma Donor Application

Home Recipient Donor Admin

DONOR SIGNUP

First Name

Last Name

Username admin

Password *****

Blood Group Choose option

Address

Mobile

Profile Pic Choose File No file chosen

REGISTER

Already have an account ? Click here to login

Type here to search

25°C 6:04 PM 11/20/2022

DONOR LOGIN

The screenshot shows a web browser window with the address bar displaying "http://127.0.0.1:5000/". The browser has tabs for Gmail, YouTube, and a new tab. The website's header is red with the text "Plasma Donor Application" and navigation links for Home, Recipient, Donor, and Admin. The main content area has a blue and purple gradient background. In the center is a white box titled "DONOR LOGIN". Inside this box, there are two input fields: "Username" with the value "admin" and "Password" with masked characters "*****". Below the password field is a red "LOGIN" button. At the bottom of the box, there is a link that says "Does not have an account ? Click here to register".

RECIPIENT LOGIN

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/patient/patientlogin". The browser has tabs for WhatsApp and a new tab. The website's header is red with the text "Plasma Donor Application" and navigation links for Home, Recipient, Donor, and Admin. The main content area has a blue and purple gradient background. In the center is a white box titled "RECIPIENT LOGIN". Inside this box, there are two empty input fields: "Username" and "Password". Below the password field is a red "LOGIN" button. At the bottom of the box, there is a link that says "Does not have an account ? Click here to register". The Windows taskbar is visible at the bottom of the screen, showing the search bar and various application icons.

RECIPIENT SIGNUP

WhatsApp 127.0.0.1:8000/patient/patientsig

127.0.0.1:8000/patient/patientsignup

Gmail YouTube http://127.0.0.1:5000/ Maps New Tab

Plasma Clinic Application

RECIPIENT SIGNUP

First Name

Last Name

Username

Password

Age

Blood Group

Disease

Doctor Name

Address

Mobile

Profile Pic No file chosen

[Already have an account? Click here to login](#)

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+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/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>

        <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>
                </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="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+Y1QKtv3Rn7W3mgPxxhU9K/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+058RXPxPg6fy4IWvTNh0E263XmFcJISAWiGgFAW/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+76PVCmYI" 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://cdn.jsdelivr.net/npm/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>
            </form>
          </div>
        </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>

<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>
  </div>
</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

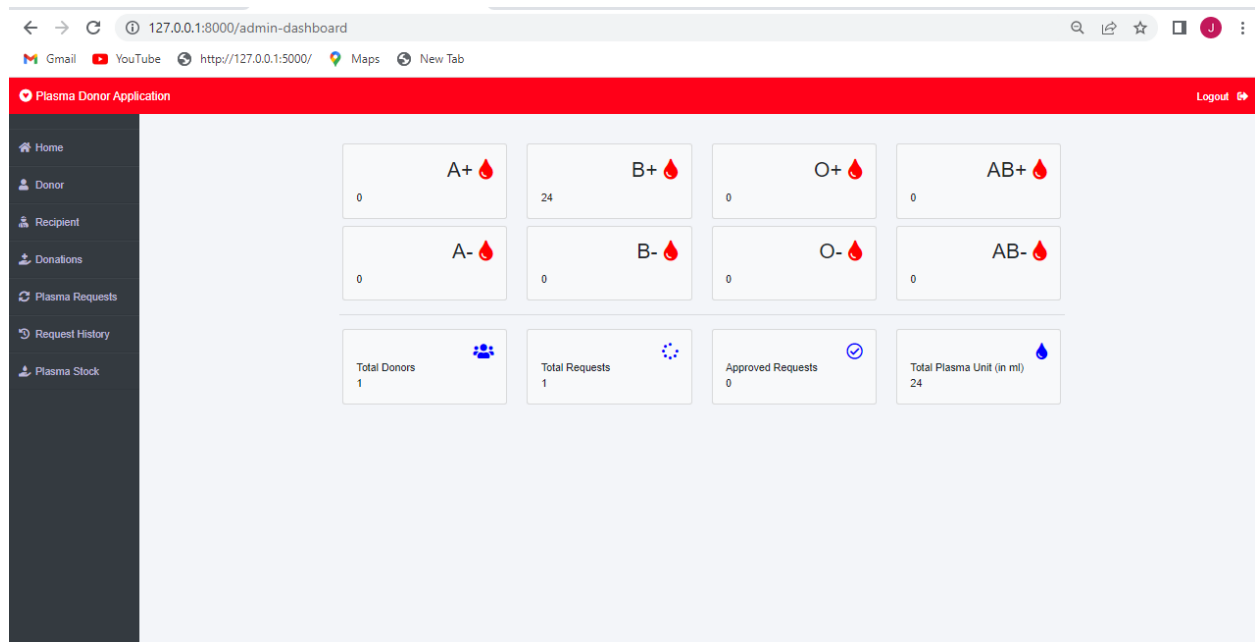
```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
def main():
    os.environ.setdefault('DJANGO_SETTINGS_MODULE',
'plasmabankmanagement.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError 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 exc
    execute_from_command_line(sys.argv)
if __name__ == '__main__':
    main()
```

Requirements.txt

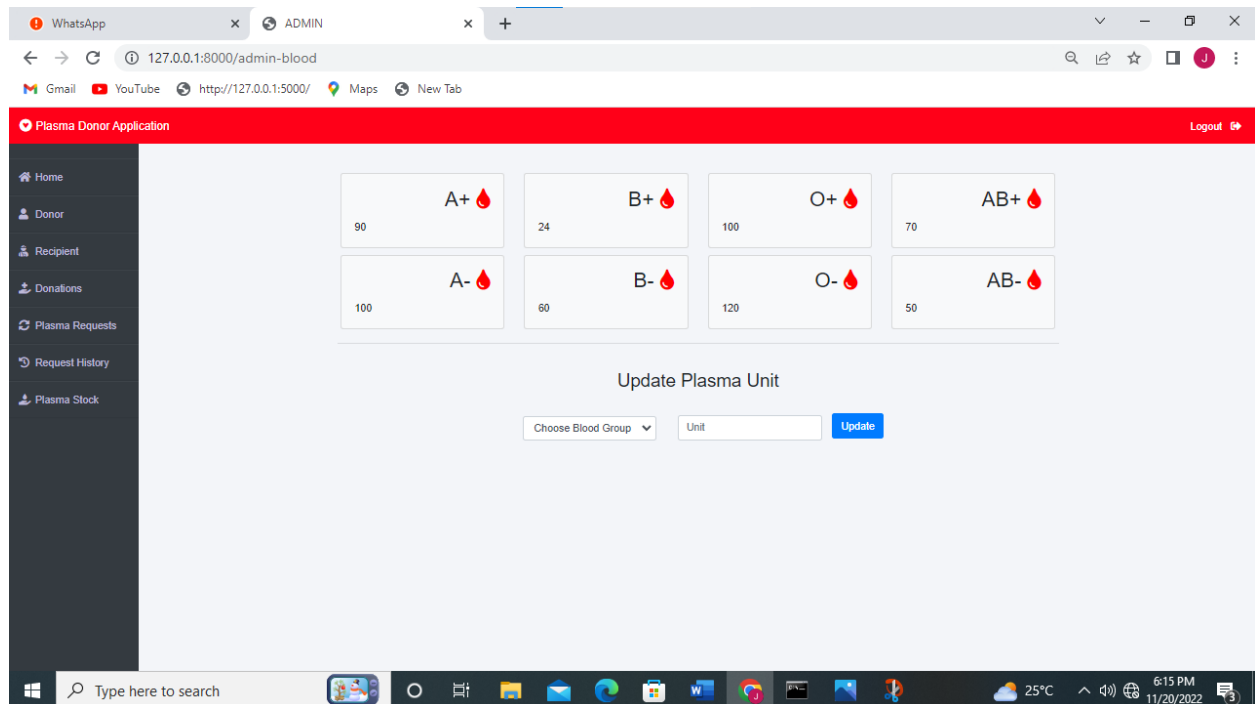
```
asgiref==3.2.7
Django==3.0.5
django-widget-tweaks==1.4.8
pytz==2020.1
sqlparse==0.3.1
```

7.2 FEATURES

Dashboard



Display the plasma available



PLASMA REQUEST

The screenshot shows a web browser window with the URL `127.0.0.1:8000/admin-request`. The page title is "Plasma Donor Application" and the user is logged in as "ADMIN". The left sidebar contains links for Home, Donor, Recipient, Donations, Plasma Requests, Request History, and Plasma Stock. The main content area is titled "Plasma Requested" and displays a table with the following data:

Patient Name	Age	Reason	Blood Group	Unit (in ml)	Date	Status	Action
java	45	for plasm treatment	A+	0	Nov. 16, 2022	Pending	Approve Reject

PLASMA DONATION DETAILS

The screenshot shows a web browser window with the URL `127.0.0.1:8000/admin-donation`. The page title is "Plasma Donor Application" and the user is logged in as "ADMIN". The left sidebar contains links for Home, Donor, Recipient, Donations, Plasma Requests, Request History, and Plasma Stock. The main content area is titled "PLASMA DONATION DETAILS" and displays a table with the following data:

Donor Name	Disease	Age	Blood Group	Unit	Request Date	Status	Action
jinga	Nothing	34	B+	24	Nov. 16, 2022	Approved	24 Unit Added To Stock

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 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>

```

```

</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>
<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>
<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>
    </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>
</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="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>
          </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

127.0.0.1:8000/admin-patient

Plasma Donor Application Logout

Home Donor Recipient Donations Plasma Requests Request History Plasma Stock

RECIPIENT DETAILS

Name	Profile	Blood Group	Age	Disease	Mobile	Action
Jiya vu		B+	45	corona	78787878	EDIT DELETE
java java		B+	45	plasma	89990909	EDIT DELETE
Ram charan		O+	36	Nil	8787656543	EDIT DELETE
jai r		O-	34	Lungs	8767543221	EDIT DELETE
Kumaran h		A+	75	kidney	7865432199	EDIT DELETE
raja ram		A-	43	corona virus	7676778865	EDIT DELETE








Donor Detials

127.0.0.1:8000/admin-donor

Plasma Donor Application Logout

Home Donor Recipient Donations Plasma Requests Request History Plasma Stock

DONOR DETAILS

Name	Profile	Blood Group	Address	Mobile	Action
jinga kia		B+	hsdjghddhd	999999998	EDIT DELETE
JAGADEESH JAGA		O+	1/80 saistreet	8989767654	EDIT DELETE
shreya sree		A+	1/34	9879654321	EDIT DELETE
Ramya sri		B+	1/4 fat street,mumbai	7865432112	EDIT DELETE
shana bhai		A+	1/78 thiruvallur,chennai	7865432156	EDIT DELETE
dora buji		AB+	1/89 ramapuram chennai	8765433335	EDIT DELETE
dilip kumar		B+	1/89 dilip street	8796054321	EDIT DELETE

8.1 TESTCASE

8.2 USER ACCEPTANCE TESTING:

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

9.1 PERFORMANCE METRICS:

[illegible]

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 find donors 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/donation is placed

DISADVANTAGES:

- Since it is a beta version 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+058RXPxPg6fy4IWvTNh0E263XmFcJISAWiGgFAW/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>
        </div>
        <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>
            </div>
          </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="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>

```

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+058RXPxPg6fy4IWvTNh0E263XmFcJISAWiGgFAW/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>
            </div>
            <div class="name">Password</div>
            <div class="value">
              <div class="input-group">
                { % render_field form.password class="input--style-5" % }
              </div>
            </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-
KJ3o2DKtIkVYIK3UENzmM7KChRr/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+76PVCmYI" 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+058RXPxPg6fy4IWvTNh0E263XmFcJISAWiGgFAW/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>
            </form>
          </div>
        </div>
      </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>
  </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>
    </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+76PVCmY1"
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 exc
    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>