PLASMA DONOR APPLICATION

A PROJECT REPORT

Submitted by

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ABSTRACT

A cruor collection system is a web-based system for blood banks to manage information about the donors and blood stock. The hospital can send message alert to all the people who are all near to the hospital. The hospital can check availability of required blood from volunteers and send the message alert to all the donors. In some places only government hospital that handles blood bank currently is using a standalone system. Since most blood banks are still in paper based system, various disadvantages are experienced by various stakeholders, which endanger the lives of patients and deter healthcare system. This web-based system allows hospital to check the availability of the blood bags anytime. Threats on improper blood donor documentation or misplaced records will be totally eradicated. The process involving record about the blood donors, blood bag collection, storage and inventory will be systematized and organized. Through this system, any person who is interested in donating the blood can register himself in the same way if any organization wants to register itself with this site they can also register. Admin and donor have the main authority who can do addition and modification if required. The requirement of the blood has to be requested and we supply the information of the donor. The donors can update their status whether they are available or not. After the implementation of the project, the blood searching process is expected to be faster, easier, user friendly and reliable..

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CHAPTER 1

INTRODUCTION

Plasma donor application is a web-based application project designed to help the plasma donors connect instantly with those in need as per matching blood groups to speed up the patient lives suffering from COVID 19. Plasma donor application provides a function to send an email alert to the donor for their user account and the availability of plasma. Plasma donor application is to maintain records of plasma donors, plasma donor information and stocks in a centralized database system. In this application both the administrator and user have the ability to request a plasma. In period of Emergency, if the plasma is rare they can find for the certain plasma based on their blood group. Plasma donor application maintain the records of the donors safely in the database system. Plasma donor application reduces the death rate of the patients.

1.1 PROJECT OVERVIEW

Plasma donor application is a web-based system that sends an email alert to the donors. This system helps to register the details of the donors, plasma collection details as well as plasma issued reports. This application reduces the scarcity of rare blood groups and unavailability of plasma during emergency. The person who wants to donate plasma needs to register in our application providing required information like name, age, blood group, phone number, and location. Patients who need plasma can fill the form to request the plasma. A person who has recovered from covid can donate their plasma to a person who is infected with the corona virus. This system used for connecting the donors and the patients through online. By using this application, the users can either raise a request for plasma donation or requirement. Plasma donor application is an intuitive application. It will make it easier for people to find plasma. The user can ask their queries in Chabot and that will quickly clarified in this application. The email alert is sending to all the donors those who have already registered in this application.

1.2 PURPOSE

The purpose of this project is to contribute to develop a web application for plasma banks to manage information about their donors and blood stock. The main objectives of the website development can be defined as follows:

- To ensure hospital to have good supply or inventories of blood bags.
- To check the availability of plasma at any time.
- To manage the information of its plasma donor.
- Function to check if the person donate plasma for the last 3months.
- To allow good documentation about the donor and its plasma donation activities.
- Support fast searching to find match blood bags of plasma for the right person.
- This application targets two types of users, the people who want to donate plasma and the people who need plasma.
- The main objective of this application developing the website to make it easier for the COVID-19 patients to get a plasma donor easily and as soon as possible.
- Plasma donor application helps to lower the death ratio or help the COVID 19 affected person.

CHAPTER 2
LITERATURE REVIEW

2.1 EXISTING PROBLEM

In existing system, the records of donors are not maintained properly. With the growing population and the advancement in medical science the demand blood has also increased. There are a quite good number of software packages that exists for plasma bank management. It becomes difficult to provide any record immediately at times of emergency. Required more human efforts in maintaining the branch related information. Manually to keep the accounts is also tedious and risky job to maintain those accounts in ledgers for a long period is also very difficult. In existing system time consuming is high for storing and updating the donors information. It is difficult to keep track the record about the donor & receiver he has donated or received the blood at the last time.

2.2 REFERENCES

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2.3 PROBLEM STATEMENT DEFINITION

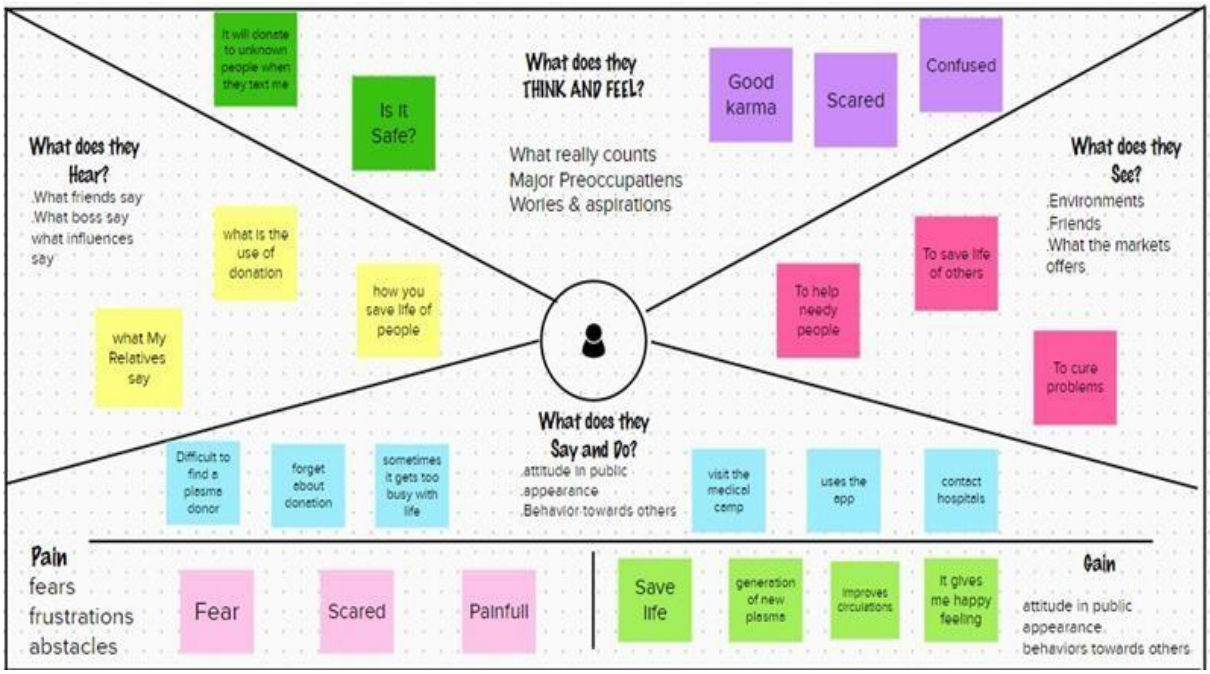
During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request. Plasma donor application sends an email alert to all the donors who have already registered in this website. Plasma donor application maintains the records properly and safely in database system in this website.

CHAPTER 3

IDEATION AND PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS

An empathy map canvas helps brands provide a better experience for users by helping teams understand the perspectives and mindset of their customers. Creating an online platform that not just serves as a strong network between plasma donors and plasma seekers. But also acts as a platform to spread awareness and motivate donors by taking care of their plasma needs and safety.

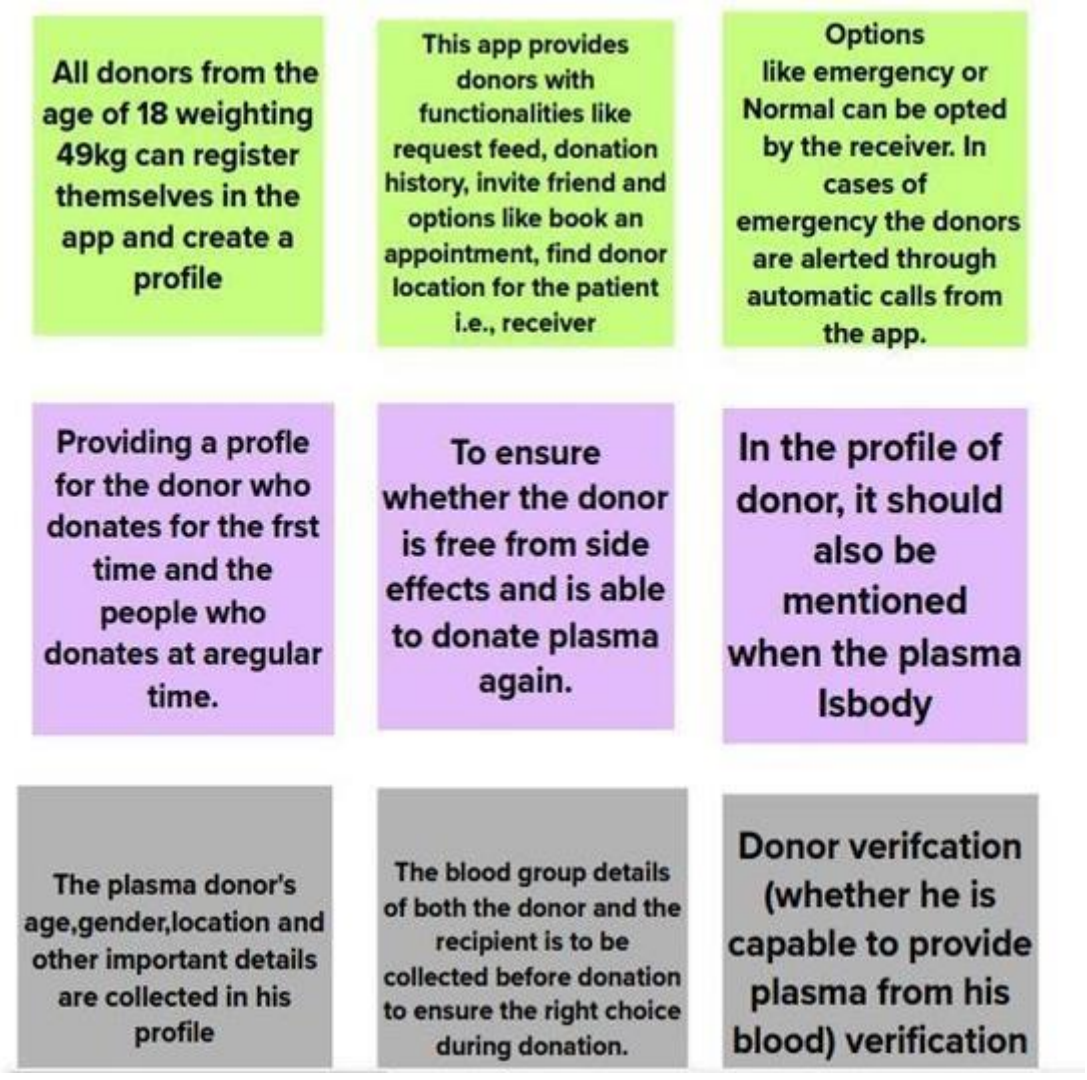


3.2 IDEATION AND BRAINSTROMING

Ideation and brainstorming is that ideation is commonly more thought of as being an individual pursuit, while brainstorming is almost always a group activity. Plasma donor application is the process where you generate ideas and solutions through sessions such as Sketching, Prototyping, Brainstorming, Brain writing, Worst Possible Idea, and a wealth of other ideation techniques. Ideation is also the third stage in the Design Thinking process.

PROBLEM STATEMENT

Most of the People needed plasma are increasing day by day. How might we handle to create an application fully dedicated for Plasma Donation?



3.3 PROPOSED SOLUTION

In this plasma donor application, the registered patients who requesting for a plasma through this application. This application send an email notification to the compatible donors. The donors information stored in the database safely and securely. Through this application the patient get plasma at right time and save their life. It has a unique, simple and elegant User Interface.

S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	During the COVID 19 crisis, the requirement of plasma became high and the donor count being low. Saving the donor information and helping the need by notifying the current donors would be a helping hand. It is very difficult to find the respective blood group donors when anyone is in need. The donors also face a lot of inconvenience when using the system to donate plasma. In regard to the problem faced, an application is to be built which would take the donor details store it and inform them upon a request all the while making it more convenient to use.
2.	Idea / Solution description	The donors can register their details in the application. Their registered details will be saved in the database. When there is a need for plasma, the relevant donors will be alerted via their mail. The location to the where the plasma is needed will be given in mail. Donors can also schedule appointments to their convenience, to donate plasma to the plasma bank.
3.	Novelty / Uniqueness	Our application is unique in the fact that it is very convenient for the donor. It has a unique, simple and elegant User Interface that makes it much easier to understand and navigate

4.	Social Impact / Customer Satisfaction	It promotes awareness for plasma donation. It attracts many willing donors because of its convenience. It assures people that plasma is available at anytime, anywhere by contacting all relevant donors by mail, largely reducing the worry of patients.
5.	Business Model (Revenue Model)	This application can collaborate with the Government and Non-Profitable Organizations where they can utilize the application for helping people and pays us a certain amount every year for its maintenance
6.	Scalability of the Solution	Adequate number of donors can register themselves. A large amount of requests for plasma donation can be processed at the same time.

3.4 PROBLEM SOLUTION FIT

CHAPTER 4

REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENTS

Sending Email

- Plasma donor application sends an email alert to all the donors who already registered in this website.
- The system should allow user to receive the plasma request.
- In this system, both the administrator and the user have the ability to request a plasma.
- The email sends to all the donors one who have requested for the plasma.

Searching

- The system should allow users to search for information about beneficiary, terms and conditions.
- The system should allow users to search for information about the login.
- If someone new to this application they have to register and search or request for the plasma.

Login

- The Login page allows the donors to login and see their information.
- The login page is applicable for only registered donors and users.
- The donor should have a specific username and password
- The donor can login anytime to see their progress and change their profile
- If the donor or user forgot their password, they can reset their password only if they are registered.

Administrative System

- Information management: The administrator should be able to add, update and delete user accounts.
- Login management: The administrator and donor should be able to view and delete logs.
- Database management: The administrator should be able to manage the database.

4.2 NON-FUNCTIONALREQUIREMENTS

User Interface

- The system shall maintain an easy to use interface across all functionality and for all users
- The client's user interface should be compatible with all commonly used browsers, such as Internet explorer, Firefox, Google chrome and Safari.

Scalability

The system shall be able to scale based on the number of users accounts using the system.

Security

- The administrative system should be protected from unauthorized access.
- The database should be protected from attacks and unauthorized access.
- The interface should be protected from attacks.
- All passwords should be stored as a secure hash of the administrator password.

Portability

- The system should run on a variety of operating systems that support the Python language.
- The system should run on a variety of hardware.

Maintainability

- The system should be easy to maintain.
- There should be a clear separation between the interface and the client.
- There should be a clear separation between the data access objects that map the database and the business logic code.

Exception Handling

Exceptions should be reported effectively to the user if they occur.

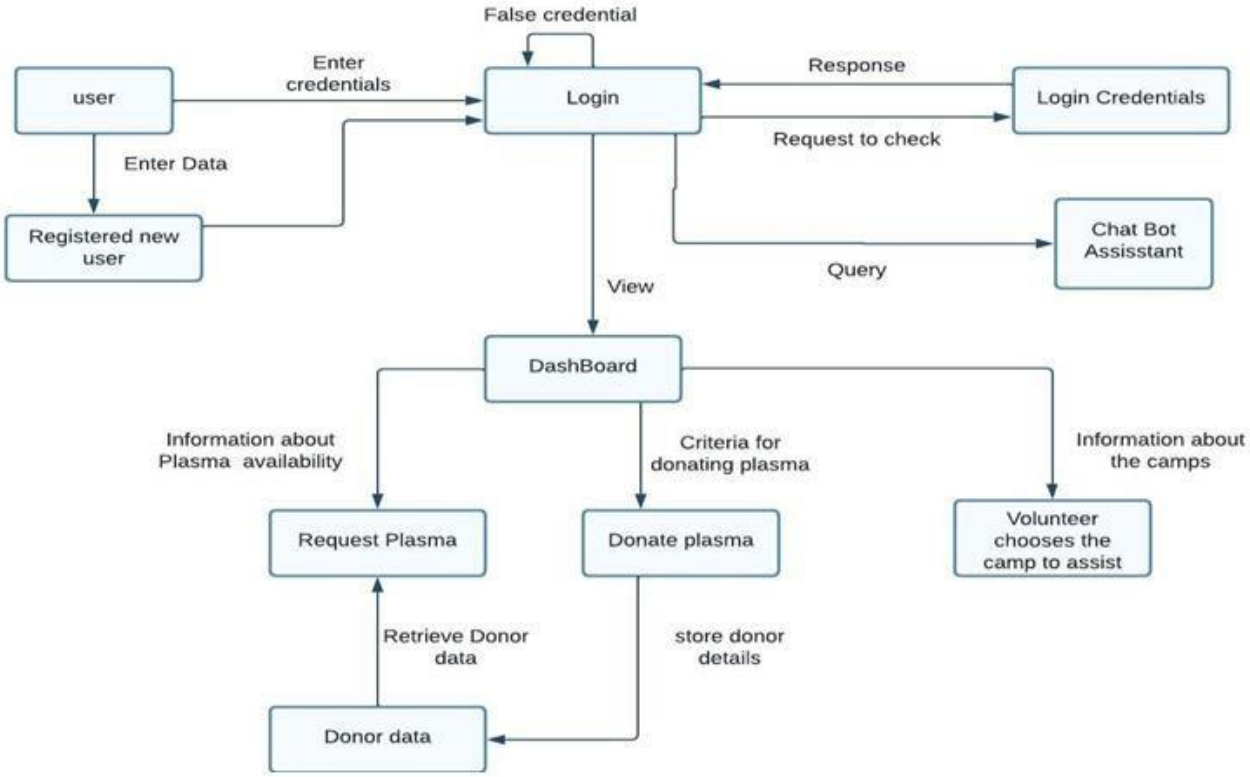
Ethics

The system shall not store or process any information about its users.

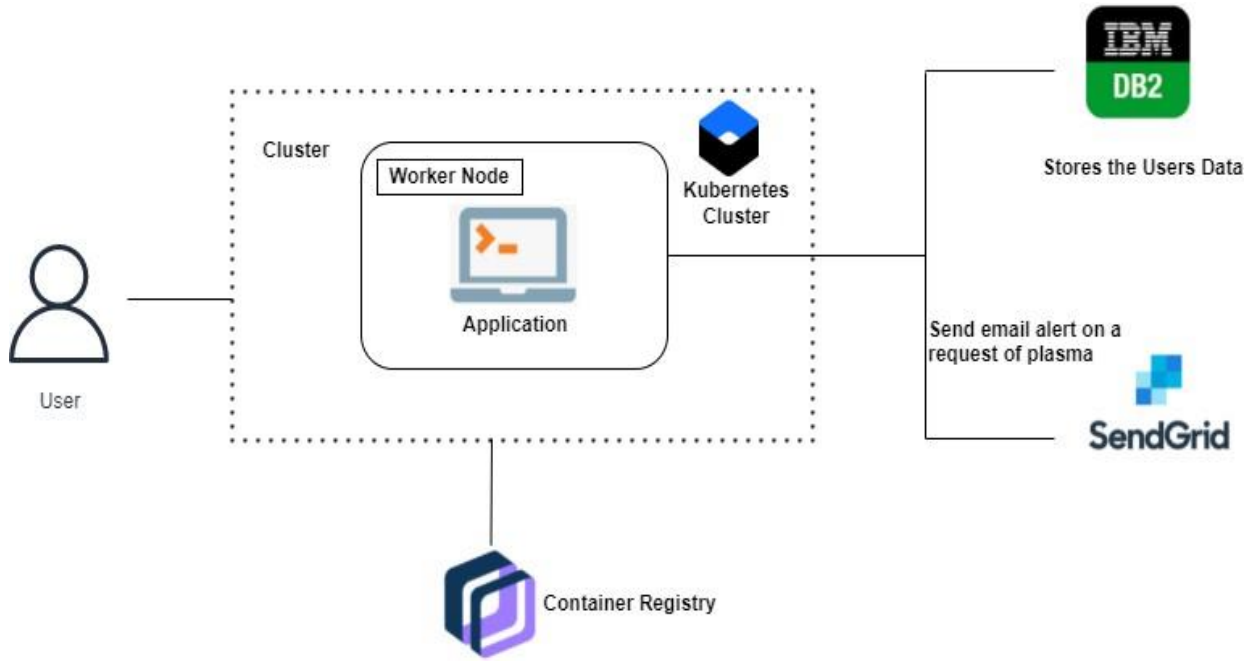
CHAPTER 5

PROJECT DESIGN

5.1 DATAFLOW DIAGRAM



5.2 SOLUTON & TECHNICAL ARCHITECTURE



5.3 USER STORIES

- ✓ **US-1** I am a patient who requires plasma for treatment and I am trying to search for plasma and make contact with willing plasma donor. But I am unable to locate a plasma donor who is compatible with my blood type requirements. Because being a rare blood type I am surrounded by donors and which makes me feel concerned for my health and depressed about it. At a difficult situation I found this plasma donor application I have registered and requested plasma, got many compatible donors. This application save my life .

- ✓ **US-2** I am a donor who registered in this application and I got an email alert from patient in my blood group. So I have donated plasma to themselves. From this application I am satisfied.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Admin	Registration	USN-1	User, I can register for the application by entering my email, password, and confirming my password.	I can control my online account and dashboard.	Medium	Sprint-1
Co-Admin	Registration through Google account	USN-2	user, I can register for the application through google account	I can handle the waste collection.	High	Sprint-1
Admin	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	I can take the shortest path to reachthe waste filled routespecified.	Medium	Sprint-2
Donee	Search for donor	USN-4	Admin can access, view, modify, update all details of the plasma donor application	I can collect the trach, pullit to the truck, and send it out.	Medium	Sprint-3

CHAPTER 6

PROJECT PLANNING AND SCHEDULING

6.1 SPRINT PLANNING AND ESTIMATION

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	Registration	USN-1	As a user, I can register for the application by entering my email, password and Confirm my password.	8	High	Sasi keerthana Tharini
		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	Low	
	Login	USN-3	As a user, I can log into the application by entering email & password	8	High	Sasi kumar Niranjan
Sprint - 2	Register for plasma donation	USN-4	As a donor, I have to register to intimate the users that I am interested in donating the plasma.	10	High	Sasi keerthana Tharini
	Request for Plasma	USN-5	As a recipient, I have to request the plasma from the donors.	10	High	Sasi kumar Niranjan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 3	Awareness	USN-6	As a public, I have to get aware of the plasma donation.	4	Low	Sasi keerthana Niranjan
	Database	USN-7	The user data has to be saved and needs to maintained in the database.	10	High	Sasi kumar Tharini
Sprint - 4	Send Notification	USN-8	As a donor, myself have to be notified for donation of the plasma when it was in need.	12	High	Tharini Sasi kumar
	Software Testing	USN-9	As a user, I want to access the application without any bugs and drawbacks.	8	High	Tharini Sasi kumar Sasi keerthana Niranjan

6.2 SPRINT DELIVERY SCHEDULE

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

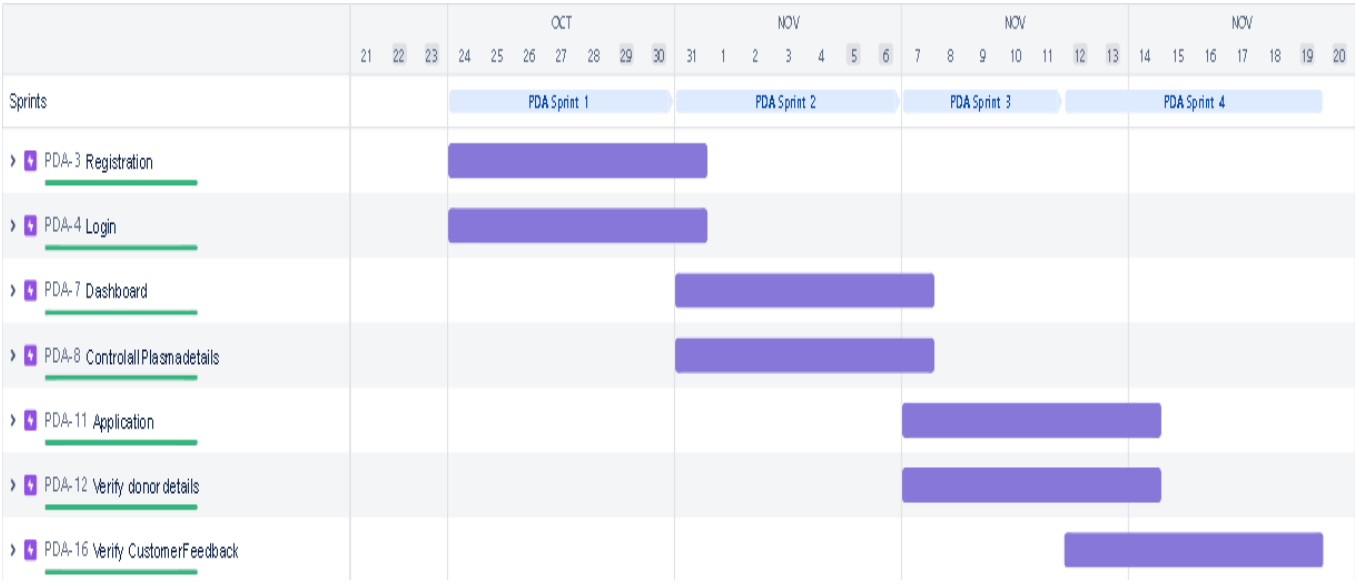
Sprint 1 = 20/6 = 3.66

Sprint 2 = 20/6 = 3.66

Sprint 3 = 20/6 = 3.66

Sprint 4 = 20/6 = 3.66

6.3 REPORTS FROM JIRA



CHAPTER 7

CODING AND SOLUTIONING

7.1 FEATURE 1

SENDING EMAIL TO THE DONORS USING SENDGRID

SendGrid send emails without having to maintain email servers. SendGrid manages all of the technical details, from scaling the infrastructure to ISP outreach and reputation monitoring to whitelist services and real time analytics. Twilio SendGrid is a cloud-based email marketing tool that assists marketers and developers with campaign management and audience engagement. Its key features include A/B testing, mailing list management, predefined templates, image library.

SENDGRID LINK

https://github.com/IBM-EPBL/IBM-Project-46840-1660793011/blob/e3543ae4627156b25d52753fe8b1872022817ebb/PROJECT%20DEVELOPMENT%20PHASE/SPRINT%204/mail.py

7.2 FEATURE 2

WATSON CHATBOT ASSISTANT

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible"
 content="IE=edge">
<meta name="viewport"
 content="width=device-width, initial-
 scale=1.0">
 <title>IBM Watson Assistant</title>
```

```
 </head>
    <body>
 <p>
 <center>IBM Watson Assistant for plasma
  donor application</center>
 </p>
<script>
window.watsonAssistantChatOptions = {
integrationID: "7e2c1cf1-d19c-4a74-b4c4-
  da39a5416ab2",
 region: "jp-tok",
 serviceInstanceID: "0e372e18-fe25-4e79-bddc-
  7b3393c9fcfd",
  onLoad: function(instance) { instance.render();
  }
   };
   setTimeout(function(){
   const t=document.createElement('script');
   t.src="https://web-
  chat.global.assistant.watson.appdomain.cloud/v
  ersions/" +
 (window.watsonAssistantChatOptions.clientVer
  sion || 'latest') +
  "/WatsonAssistantChatEntry.js";
   document.head.appendChild(t);
   });
  </script>
```

</body>

</html>

7.3 DATABASE SCHEMA

- ✓ DB2 is a database product from IBM.
- ✓ It is a Relational Database Management System (RDBMS). DB2 is designed to store, analyze and retrieve the data efficiently.
- ✓ DB2 product is extended with the support of Object-Oriented features and non-relational structures with XML.
- ✓ Provide a massively parallel processing (MPP) architecture Exploits
- ✓ Hive, HBase and Apache Spark concurrently for best-in-class analytic capabilities.
- ✓ Provides low latency support for ad-hoc and complex queries, high performance, and federation capabilities Understands dialects from other 19vendors and various products from Oracle, IBM® Db2® and IBM Netezza® Enables advanced row and column security

DATABASE SCHEMA LINK

https://github.com/IBM-EPBL/IBM-Project-46840-1660793011/blob/e3543ae4627156b25d52753fe8b1872022817ebb/PROJECT%20DEVELOPMENT%20PHASE/SPRINT%201/app.py

CHAPTER 8

TESTING

System Testing is a level of the software testing where complete and integrated software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements. By definition of ISTQB system testing is the process of testing an integrated system to verify that it meets specified.

8.1 TEST CASES

Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status
1	Functional	Login Page	Verify user is able to Login into the Application		1) Open the Plasma Donor Applicaion 2) Login with user Credentials	Username: Priyanka Password: test	Login Successful	Working as expected	Pass
2	Functional	Signup Page	Verify user is able to Signup in the Application		1) Open the Plasma Donor Applicaion 2) Enter the Details and Create a new User 3) Verify if user is created and	Username: Ayshu Password: test Name: Ayshu DOB: 12/9/2001 Password: test	Account Created Successfully	Working as expected	Pass
3	Functional	Personal Details page	Verify if all the user details are stored in Database		1) Open the Plasma Donor Applicaion 2) Enter the Details and Create a new User 3) Verify if user is created and	Username: chalam@gmail.com password: Testing123	User should navigate to user account homepage		
4	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://shopenzer.com/) and click go 2.Click on My Account dropdown button 3.Enter InValid username/email in Email text box 4.Enter valid password in password	Username: chalam@gmail password: Testing123	Application should show 'Incorrect email or password ' validation message.		
5	Functional	Login page	Verify user is able to log into application with InValid credentials		1.Enter URL(https://shopenzer.com/) and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box	Username: chalam@gmail.com password: Testing123678686786876876	Application should show 'Incorrect email or password ' validation message.		

8.2 USER ACCEPTANCE TESTING

User acceptance Testing is a level of the software testing where a system is tested for acceptability. The purpose of this test is to evaluate the system's compliance with the business requirements and assess whether it is acceptable for delivery.

Formal testing with respect to user needs, requirements, and business processes conducted to determine whether or not a system satisfies the acceptance criteria and to enable the user, customers or other authorized entity to determine whether or not to accept the system.

In this plasma donor application, the donor's acceptance is been monitored and it is been put into usage.

White Box Testing

White Box Testing is the testing of a software solution's internal coding and infrastructure. It focuses primarily on strengthening security, the flow of inputs and outputs through the application, and improving design and usability. White box testing is also known as Clear Box testing, Open Box testing, Structural testing, Transparent Box testing, Code-Based testing, and Glass Box are testing. It is one of two parts of the "box testing" approach of software testing. Its counter-part, black box testing, involves testing from an external or end-user type perspective. On the other hand, White box testing is based on the inner workings of an application and revolves around internal testing. In this plasma donor application, all the inner functionality is been tested and it is been correctly implemented.

Black Box Testing

Black box testing is a software testing technique in which functionality of the software under test (SUT) is tested without looking at the internal code structure, implementation details and knowledge of internal paths of the software. This type of testing is based entirely on the software requirements and specifications.

In this plasma donor application, the implementation part is been checked for its correctness.

CHAPTER 9

RESULTS

9.1 PERFORMANCE METRICS

In this plasma donor application, sending an email alert to all the donors who have registered in the plasma website. This application maintains the records of the plasma donors, plasma donation information and plasma stocks in centralized database system. In period of Emergency, if the plasma is rare they can find for the certain plasma based on their blood group. In this system, both the administrator and the user have the ability to request a plasma. In plasma donor application, the users can raise a request for plasma donation or requirement. The major problem faced by the plasma providers are availability of donor at right time**.** Plasma banks are the main providers of plasma who receives plasma from various donors, monitors the plasma groups database of emergencies makes the available to the hospital whenever needed. This application can timely update the plasma Stock availability of donor by sending email to all the registered donors**.** Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request. Plasma donor application saves number of lives those who have affected by COVID 19.

CHAPTER 10

ADVANTAGES AND DISADVANTAGES

ADVANTAGES

- Plasma donor application is a user-friendly application and it will help people to find plasma easily.
- Plasma donor application saves a time as he can search donors online without going anywhere and work is reduced very much which prevails in the present system.
- Using this system donors can get an email notifications in time and can save his relative or friend life.
- The main benefit of this application is the information of available plasma group and inventory of the plasma group.
- The hospital in need of plasma can search for the donors on online by giving their details and city name.
- The people are not limited to receive or provide services in working hours of the branch only they have serviced 24 hours a day, 7 days of week and 365 days of the year.

DISADVANTAGES

- Plasma request is send through the mail id. It causes the user to view the message only he/she is online.
- Plasma donor application cannot auto verify user genuineness.
- In this application if any network issues raise it will cause all processes to terminate.
- Plasma donor application tackling the fake donors and the donors won't make donations when it will be difficult.

CHAPTER 11
CONCLUSION

Based on results, this application concluded that plasma donor application is much better than the existing system. The findings showed that respondents prefer to use plasma donor application rather than the existing system because it offers many advantages and benefits that lead to its effectiveness and efficiency. Because of the increased confidence on the users of the system, it can be concluded that the plasma donor application enhances transfusion safety because it provides better ways of handling the various processes in plasma banks. Plasma donor application offers donor to enter the data through simple and interactive forms. This is very helpful for the hospital to enter the desired information through so much simplicity. Plasma donor application sends an email alert to all the donors who have registered in this website. This plasma donor application maintains the donors record safely and accurately. Plasma donor application saves the number of lives who have affected by covid 19. The email notifications helps the donors and the patients connect together using this plasma donor application. The efficient way of finding plasma door for the infected people is implemented using the plasma donor website that is hosted on IBM Cloud platform. To ensure the smooth functioning of the web site operation. I have hosted the website in IBM Db2 & Kubernetes Cluster to make sure the operations are running successfully Cloud lambda function is used and to deploy the application IBM Db2 service is used.

CHAPTER 12

FUTURE SCOPE

This project is focused on maintain the donors record Support of various regional languages for better reach. The future enhancements can be done by developing the database backup and database maintenance activities and also developing portability of all operating systems. In future the text message can send to all the people who have registered in the website. During covid 19 period, many of the people should aware of these type of website and donote plasma for the patients. The plasma donors count should be increased in future. 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.

CHAPTER 13

APPENDIX

SOURCE CODE:

App.py

```
from flask import Flask,render_template,request,url_for,redirect
from flask_mail import *
from markupsafe import escape
import ibm_db
conn=ibm_db.connect(" DATABASE =bludb;HOSTNAME=b70af05b-76e4-4bca-a1f5-
23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;SECURITY=SSL;SSLSe
rverCertificate=DigiCertGlobalRootCA.crt;UID=kcv39089;PWD=pthMo96lY5zuNGGs",",")
app = Flask(_name_)
@app.route('/')
def index():
    return render_template('index.html')      # index - home page
# admin credentials
@app.route('/adminlogin')
def adminlogin():
  return render_template('adminlogin.html') # admin log in page
@app.route('/adminreg')
def adminreg():
  return render_template('adminreg.html')  # admin sign up page
@app.route('/recipregistration')
def recipregistration():
  return render_template('recipregistration.html')  ## recipient signup page uh
@app.route('/recipientlogin')
def recipientlogin():
  return render_template('reclogin.html')      ## recipt login page
@app.route('/recipientrec',methods = ['POST', 'GET'])
def recipientrec():
  if request.method == 'POST':
    fname = request.form['fname']
    lname = request.form['lname']
    dob = request.form['dob']
    email = request.form['email']
    mnumb = request.form['mnumb']
    gender = request.form['gender']
    address = request.form['address']
    pin = request.form['pin']
    sql = "SELECT * FROM recipientrec WHERE fname =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,fname)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
     if account:
       return render_template('reclogin.html', msg="Already your account        exists, please try to log in")
```

```
    else:
     insert_sql = "INSERT INTO recipientrec VALUES (?,?,?,?,?,?,?,?)"
     prep_stmt = ibm_db.prepare(conn, insert_sql)
     ibm_db.bind_param(prep_stmt, 1, fname)
     ibm_db.bind_param(prep_stmt, 2, lname)
     ibm_db.bind_param(prep_stmt, 3, dob)
     ibm_db.bind_param(prep_stmt, 4, email)
     ibm_db.bind_param(prep_stmt, 5, mnumb)
     ibm_db.bind_param(prep_stmt, 6, gender)
     ibm_db.bind_param(prep_stmt, 7, address)
     ibm_db.bind_param(prep_stmt, 8, pin)
     ibm_db.execute(prep_stmt)
return render_template('reclogin.html', msg="Account has been created successfully..")
return "success..."
 ### donor crediential
@app.route('/donregistration')
def donregistration():
  return render_template('donregistration.html') ## donor signup page uh
@app.route('/donorlogin')
 def donorlogin():
  return render_template('donlogin.html')      ## donor login page
# @app.route('/donorrequest')
# def donorrequest():
# return render_template('donor.html') ## plasma requesting page
## donor details table
  @app.route('/donrec',methods = ['POST', 'GET'])
  def donrec():
  if request.method == 'POST':
   fname = request.form['fname']
    lname = request.form['lname']
    dob = request.form['dob']
    email = request.form['email']
    mnumb = request.form['mnumb']
    gender = request.form['gender']
    address = request.form['address']
    pin = request.form['pin']
    sql = "SELECT * FROM donorrec WHERE fname =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,fname)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    if account:
       return render_template('donlogin.html', msg="Already your account exists, please try to log in")
    else:
     insert_sql = "INSERT INTO donorrec VALUES (?,?,?,?,?,?,?,?)"
     prep_stmt = ibm_db.prepare(conn, insert_sql)
     ibm_db.bind_param(prep_stmt, 1, fname)
     ibm_db.bind_param(prep_stmt, 2, lname)
     ibm_db.bind_param(prep_stmt, 3, dob)
```

```
    ibm_db.bind_param(prep_stmt, 4, email)
    ibm_db.bind_param(prep_stmt, 5, mnumb)
    ibm_db.bind_param(prep_stmt, 6, gender)
    ibm_db.bind_param(prep_stmt, 7, address)
    ibm_db.bind_param(prep_stmt, 8, pin)
    ibm_db.execute(prep_stmt)
return render_template('donlogin.html', msg="Account has been created successfully..")
return "success..."
@app.route('/admin')
def admin():
  return render_template('admin.html')
@app.route('/donor')
def donor():
  return render_template('donor.html')
## donor registering for donation
@app.route('/giveplasma',methods = ['POST', 'GET'])
def giveplasma():
  if request.method == 'POST':
    name = request.form['name']
    age = request.form['age']
    gender = request.form['gender']
    mnumb = request.form['mnumb']
    email =  request.form['email']
    city = request.form['city']
    address = request.form['address']
    bloodgroup = request.form['bloodgroup']
    issue = request.form['issue']
    lastbd = request.form['lastbd']
    slot = request.form['slot']
    sql = "SELECT * FROM donor WHERE name =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,name)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
   if account:
      return render_template('donlogin.html', msg="You are already a member, please login using your
details")
    else:
      insert_sql = "INSERT INTO donor VALUES (?,?,?,?,?,?,?,?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, age)
      ibm_db.bind_param(prep_stmt, 3, gender)
      ibm_db.bind_param(prep_stmt, 4, mnumb)
      ibm_db.bind_param(prep_stmt, 5, email)
      ibm_db.bind_param(prep_stmt, 6, city)
      ibm_db.bind_param(prep_stmt, 7, address)
      ibm_db.bind_param(prep_stmt, 8, bloodgroup)
      ibm_db.bind_param(prep_stmt, 9, issue)
```

```
      ibm_db.bind_param(prep_stmt, 10, lastbd)
      ibm_db.bind_param(prep_stmt, 11, slot)
      ibm_db.execute(prep_stmt)
return render_template('donor.html', msg="Your request for donation is successfully submitted..")
@app.route('/plasmadon')
def plasmadon():
  donor = []
  sql = "SELECT * FROM donor"
  stmt = ibm_db.exec_immediate(conn, sql)
  dictionary = ibm_db.fetch_both(stmt)
  while dictionary != False:
    # print ("The Name is : ", dictionary)
    donor.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
    if donor:
    return render_template("plasmadon.html", donor = donor)
@app.route('/delete/<name>')
def delete(name):
  sql = f"SELECT * FROM donor WHERE name='{escape(name)}'"
  print(sql)
  stmt = ibm_db.exec_immediate(conn, sql)
  donor = ibm_db.fetch_row(stmt)
  print ("The Name is : ", donor)
  if donor:
    sql = f"DELETE FROM donor WHERE name='{escape(name)}'"
    print(sql)
    stmt = ibm_db.exec_immediate(conn, sql)
    donor = []
    sql = "SELECT * FROM donor"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
      donor.append(dictionary)
      dictionary = ibm_db.fetch_both(stmt)
if donor:
      return render_template("plasmadon.html", donor = donor, msg="Delete successfully")
  # # while student != False:
  # #  print ("The Name is : ",  student)
  # print(student)
  return "success..."
@app.route('/mail')
def mail():
  return render_template('mail.html')
@app.route('/recipient')
def recipient():
  return render_template('recipient.html')
@app.route('/takeplasma',methods = ['POST', 'GET'])
def takeplasma():
  if request.method == 'POST':
```

```
    name = request.form['name']
    age = request.form['age']
    gender = request.form['gender']
    mnumb = request.form['mnumb']
    proof = request.form['proof']
    address = request.form['address']
    plasma = request.form['plasma']
    sql = "SELECT * FROM recipient WHERE name =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,name)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    if account:
      return render_template('reclogin.html', msg="You are already a member, please login using your
details")
    else:
      insert_sql = "INSERT INTO recipient VALUES (?,?,?,?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, age)
      ibm_db.bind_param(prep_stmt, 3, gender)
      ibm_db.bind_param(prep_stmt, 4, mnumb)
      ibm_db.bind_param(prep_stmt, 5, proof)
      ibm_db.bind_param(prep_stmt, 6, address)
      ibm_db.bind_param(prep_stmt, 7, plasma)
      ibm_db.execute(prep_stmt)
      return render_template('recipient.html', msg="Registration succesfull for Plasma request..")
@app.route('/plasmareq')
def plasmareq():
  recipient = []
  sql = "SELECT * FROM recipient"
  stmt = ibm_db.exec_immediate(conn, sql)
  dictionary = ibm_db.fetch_both(stmt)
  while dictionary != False:
    # print ("The Name is : ", dictionary)
    recipient.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
    if recipient:
    return render_template("plasmareq.html", recipient = recipient)
@app.route('/delete/<name>')
def deleted(name):
  sql = f"SELECT * FROM recipient WHERE name='{escape(name)}'"
  print(sql)
  stmt = ibm_db.exec_immediate(conn, sql)
  recipient = ibm_db.fetch_row(stmt)
  print ("The Name is : ",  recipient)
  if recipient:
    sql = f"DELETE FROM recipient WHERE name='{escape(name)}'"
    print(sql)
```

```
    stmt = ibm_db.exec_immediate(conn, sql)
    recipient = []
    sql = "SELECT * FROM recipient"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
      recipient.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
    if recipient:
      return render_template("plasmareq.html", recipient = recipient, msg="Delete successfully")
    return "Deleted Successfully"
if__name__== "_main_":
    app.run(debug=True)
```

Index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- CSS only -->
    <link href="https://fonts.googleapis.com/css?family=Merriweather&display=swap" rel="stylesheet">
    <link rel="shortcut icon" href="assets/images/fav.jpg">
    <link rel="stylesheet" href="../static/bootstrap.min.css">
    <link rel="stylesheet" href="../static/fontawsom-all.min.css">
    <link rel="stylesheet" href="../static/grid-gallery.min.css">
    <link rel="stylesheet" href="../static/grid-gallery.css">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
    <link rel="stylesheet" type="text/css" href="../static/style.css" />
    <title>Home page</title>
</head>
<body>
    <div class="loader_bg">
        <div class="loader"></div>
      </div>
          <header class="p-3 text-bg-dark">
        <div class="container">
            <div class="d-flex flex-wrap align-items-center justify-content-center justify-content-lg-start">
                <a href="/" class="d-flex align-items-center mb-2 mb-lg-0 text-white text-decoration-none">
                    <svg class="bi me-2" width="40" height="32" role="img" aria-label="Bootstrap"><use
xlink:href="#bootstrap"/></svg>
                </a>
                <ul class="nav col-12 col-lg-auto me-lg-auto mb-2 justify-content-center mb-md-0">
                    <li><a href="/" class="nav-link px-2 text-white"><b>Home</b></a></li>   
                    <li><a href="#" class="nav-link px-2 text-white"><b>About</b></a></li>   
```

```
            <li><a href="#" class="nav-link px-2 text-white"><b>Blogs</b></a></li>   
            <li><a href="#" class="nav-link px-2 text-white"><b>Camps</b></a></li>
          </ul>
          <div class="text-end">
            <button type="button" class="btn btn-outline-secondary"><a href="/adminlogin">Admin
Login</a></button>
            <button type="button" class="btn btn-outline-info"><a href="/recipientlogin">Looking for
plasma?</a></Looking></button>
  <button type="button" class="btn btn-outline-warning"><a href="/donorlogin">Donate
Now!</a></button>
          </div>
        </div>
      </div>
  </header>
  <div class="slider-detail">

      <div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">
        <ol class="carousel-indicators">
          <li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>
          <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>
        </ol>
        <div class="carousel-inner">
          <div class="carousel-item active">
            <img class="d-block w-100" src="https://model001.s3.jp-tok.cloud-object-
storage.appdomain.cloud/slide-03.jpg" alt="First slide">
            <div class="carousel-caption d-none d-md-block">
              <h5 class=" bounceInDown">PLASMA DONOR APPLICATION</h5>
              <p class=" bounceInLeft">"A donation of blood means a few minutes to you, but a lifetime
for somebody else."<br>
                "A small step towards blood donation can give life to someone’s special."<br>
                "Every blood donor is a life saver."</p>
              <div class=" vbh">
<div class="btn btn-success  bounceInUp">DONATE NOW!</div>
</div>
 </div>
 </div>
        <div class="carousel-item">
        <img class="d-block w-100" src="https://model001.s3.jp-tok.cloud-object-
storage.appdomain.cloud/slide-02.jpg" alt="Third slide">
            <div class="carousel-caption vdg-cur d-none d-md-block">
              <h5 class=" bounceInDown">Donate Blood & Save a Life</h5>
              <p class=" bounceInLeft">"A donation of blood means a few minutes to you, but a lifetime
for somebody else."<br>
                "A small step towards blood donation can give life to someone’s special."<br>
                "Every blood donor is a life saver."</p>
        <div class=" vbh">
<div class="btn btn-danger  bounceInUp"> Donate Now </div>
              </div>
            </div>
```

```
            </div>
</div>
          <a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data-
slide="prev">
            <span class="carousel-control-prev-icon" aria-hidden="true"></span>
            <span class="sr-only">Previous</span>
          </a>
          <a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data-
slide="next">
            <span class="carousel-control-next-icon" aria-hidden="true"></span>
            <span class="sr-only">Next</span>
          </a>
        </div>
</div>
<!--*************** About Us Starts Here ***************-->
  <section id="about" class="contianer-fluid about-us">
     <div class="container">
        <div class="row session-title">
          <h2><u>About Us</u></h2>
        </div>
        <div class="row">
          <div class="col-md-6 text">
            <h2>About Plasma Donors</h2>
            <p>when a patient needs plasma, he/she has to contact a Medical center or a compatible
blood group of a donor in their circle, family, and friends. However, it is difficult to find suitable donor
within a limited group of people in a given time. In addition, there is no guarantee that Medical center will
have compatible plasma in stock. There is also steady increase in plasma donation requests posts in social
networking sites (like Facebook, twitter, Instagram, etc.) requesting for donation.</p>
            <p>Ease of access, requirements of plasma, and the plasma donation statistics are taken into
consideration while researching the topic. There is a steady need for plasma.</p>
            <p>Although this application helps finding donors, but the ease of communication with those
donors is not prompt and it requires man power as the requester (patient or clinic) has to contact each
donor individually. Also, there is no application that provides a proper communication channel to notify
donors about the plasma donation requirements.</p>
            <p>Our application provides donors with functionalities including “plasma request”, “Ask for
donation”, “share with friend”,(slot alloted to donate plasma), at the same time the recipient can send
requests and use this application to maintain the donation activities.</p>
          </div>
          <div class="col-md-6 image">
            <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/about.jpg"
alt="">
          </div>
        </div>
     </div>
  </section>
  <!-- ################## Gallery Start Here ########################---->

   <div id="gallery" class="gallery container-fluid">
     <div class="container">
```

```
        <div class="row session-title">
            <h2><u>Checkout Our Gallery</u></h2>
        </div>
        <div class="gallery-row row">
            <div id="gg-screen"></div>
            <div class="gg-box">
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g1.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g2.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g3.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g4.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g5.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g6.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g7.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g8.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g9.jpg">
                </div>
                <div class="gg-element">
                    <img src="https://model001.s3.jp-tok.cloud-objectstorage.appdomain.cloud/g10.jpg">
                </div>
</div>
 </div>
 </div>
 </div>
<!-- ################## Donation Process Start Here ######################---->
<section id="process" class="donation-care">
        <div class="container">
          <div class="row session-title">
             <h2><u>Donation Process</u></h2>
             <!-- <p><b>The donation process from the time you arrive center until the time you
leave.</b></p> -->
          </div>
           <div class="row">
```

```
            <div class="col-md-3 col-sm-6 vd">
              <div class="bkjiu">
               <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g1.jpg" alt="">
               <h4><b>1 - </b>Registration</h4>
               <p>When you arrive at a plasma center, you will check in at the front desk. You will need to
show a valid photo ID, proof of address, and proof of social security.</p>
               <button class="btn btn-sm btn-danger"><a href="#">Readmore </a><i class="fas fa-arrow-
right"></i></button>
              </div>
            </div>
            <div class="col-md-3 col-sm-6 vd">
              <div class="bkjiu">
               <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g2.jpg" alt="">
                 <h4><b>2 - </b>Screening</h4>
               <p>During the screening, you will give a blood sample and get your vital signs checked,
including your blood pressure, pulse, and temperature</p>
               <button class="btn btn-sm btn-danger">Readmore <i class="fas fa-arrow-
right"></i></button>
              </div>
            </div>
            <div class="col-md-3 col-sm-6 vd">
              <div class="bkjiu">
               <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g4.jpg" alt="">
                 <h4><b>3 - </b>Physical Exam</h4>
               <p> The first time you give plasma, you will receive a brief physical exam given by a trained
medical specialist to make sure you stay in good health.</p>
               <button class="btn btn-sm btn-danger">Readmore <i class="fas fa-arrow-
right"></i></button>
              </div>
            </div>
            <div class="col-md-3 col-sm-6 vd">
              <div class="bkjiu">
                 <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/g1.jpg"
alt="">
                 <h4><b>4 - </b>Donation</h4>
                  <p>After approval, plasma center staff will set you up at a plasmapheresis machine that
collects whole blood from a vein in your arm and it separates out the plasma.</p>
                   <button class="btn btn-sm btn-danger">Readmore <i class="fas fa-arrow-
right"></i></button>
              </div>
            </div>
          </div>
</div>
    </section>
          <!--################### Our Blog Starts Here ######################---->
          <div id="blog" class="blog-container contaienr-fluid">
            <div class="container">
              <div class="session-title row">
                <h2><u>Latest Blog</u></h2>
```

```
                <!-- <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce fringilla vel nisl a dictum. Donec ut est arcu. Donec hendrerit velit consectetur adipiscing elit.</p> -->
            </div>
            <div class="row news-row">
                <div class="col-md-6">
                    <div class="news-card">
                        <div class="image">
                            <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/blog_01.jpg" alt="">
                        </div>
                        <div class="detail">
                            <h3>Give Thanks, Give Blood</h3>
                            <p>Blood donors share life. And for that, thousands of people are thankful that blood donors give generously. After donating blood,we wants to thank our loyal platelet donors with a t-shirt they can wear loud and proud... </p>
                            <p class="footp">
                                10 Comments <span>/</span>
                                Blog Design <span>/</span>
                                Read More
                            </p>
                        </div>
                    </div>
                </div>
                <div class="col-md-6">
                    <div class="news-card">
                        <div class="image">
                            <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/blog_02.jpg" alt="">
                        </div>
                        <div class="detail">
                            <h3>Donor Celebrate Milestone</h3>
                            <p>A few Greenwood donors have gone above and beyond in their blood donation journeys to save hundreds of local lives! These donors are great examples of loyal, local lifesavers Thank you for your continuous blood donations!</p>
                            <p class="footp">
                                17 Comments <span>/</span>
                                Blog Design <span>/</span>
                                Read More
                            </p>
                        </div>
                    </div>
                </div>
                <div class="col-md-6">
                    <div class="news-card">
                        <div class="image">
                            <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/blog_03.jpg" alt="">
                        </div>
                        <div class="detail">
```

```
                        <h3>Plasma Donation Do’s and Don’ts</h3>
                        <p>Whether you’re a new or returning plasma donor, or someone who is curious about giving plasma, you probably have some questions about the donation process. In this blog, we’re breaking down the do’s and don’ts of plasma donation... </p>
                        <p class="footp">
                           09 Comments <span>/</span>
                           Blog Design <span>/</span>
                           Read More
                        </p>
                     </div>
                  </div>
               </div>
               <div class="col-md-6">
                  <div class="news-card">
                     <div class="image">
                        <img src="https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/blog_04.jpg" alt="">
                     </div>
                     <div class="detail">
                        <h3>How often can I donate plasma?</h3>
                        <p>To ensure your continued health and safety during plasma donation, there are Have you decided to donate blood for research? By donating blood for research purposes, you are contributing to the medical and scientific breakthroughs... </p>
                        <p class="footp">
                           14 Comments <span>/</span>
                           Blog Design <span>/</span>
                           Read More
                        </p>
                     </div>
                  </div>
               </div>
            </div>
         </div>
         <footer class="bg-dark text-center text-white">
         </section>
             <!-- Section: Social media -->
           </div>
           <!-- Grid container -->
          <!-- Copyright -->
           <div class="text-center p-3" style="background-color: rgba(0, 0, 0, 0.2);">
            PROJECT DONE BY:
            <a class="text-white" href="#">TEAM MEMBERS</a><br>
            <a class="text-white" href="#">SASI KUMAR   NIRANJAN     SASI KEERTHANA    THARINI</a>
           </div>
           <!-- Copyright -->
          </footer>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
```

```
<script>
    setTimeout(function(){
        $('.loader_bg').fadeToggle();
    }, 1600);
</script>
<script>
    window.watsonAssistantChatOptions = {
      integrationID: "6043dfe7-5b99-49ee-99ed-2d05537340f9", // The ID of this integration.
      region: "au-syd", // The region your integration is hosted in.
      serviceInstanceID: "26b5b847-d411-43f0-af69-4cd200aed370", // The ID of your service instance.
      onLoad: function(instance) { instance.render(); }
    };
    setTimeout(function(){
      const t=document.createElement('script');
      t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
      document.head.appendChild(t);
    });
  </script>
</body>
        <script src="../js/jquery-3.2.1.min.js"></script>
        <script src="../js/popper.min.js"></script>
        <script src="../js/bootstrap.min.js"></script>
        <script src="../js/grid-gallery.min.js"></script>
        <script src="../js/jquery-scrolltofixed-min.js"></script>
        <script src="../js/script.js"></script>
        <script src="../js/grid-gallery.js"></script>
</html>
```

Style.css:

```
.loader_bg{
  position: fixed;
  z-index: 999999;
  background: rgb(183, 182, 182);
  width: 100%;
  height: 100%;
}
.loader{
  border: 0 soild transparent;
  border-radius:  50%;
  width: 150px;
  height: 150px;
  position: absolute;
  top: calc(50vh - 75px);
  left: calc(50vw - 75px);
}
.loader:before, .loader:after{
  content: '';
  /* border: 1em solid #ff5733; */
```

```
  border: 1em solid #e03c33;
  border-radius: 50%;
  width: inherit;
height: inherit;
position: absolute;
top: 0;
  left: 0;
  animation: loader 2s linear infinite;
  opacity: 0;
}
.loader:before{
  animation-delay: .5s;
}
@keyframes loader{
  0%{
     transform: scale(0);
     opacity: 0;
  }
  50%{
     opacity: 1;
  }
  100%{
     transform: scale(1);
     opacity: 0;
  }
}
* {
  margin: 0px;
  padding: 0px;
  list-style: none; }

img {
  max-width: 100%; }
a {
  text-decoration: none;
  outline: none;
  color: rgb(255, 255, 255); }
a:hover {
  color: rgb(255, 255, 255); }
ul {
  margin-bottom: 0;
  padding-left: 0; }
a:hover,
a:focus,
input,
textarea {
  text-decoration: none;
  outline: none; }
.center {
```

```
  text-align: center; }
.left {
  text-align: left; }
.right {
  text-align: right; }
.cp {
  cursor: pointer; }
html, body {
height: 100%; }
p {
  margin-bottom: 0px;
  width: 100%; }
.no-padding {
  padding: 0px; }
.no-margin {
  margin: 0px; }
.hid {
  display: none; }
.top-mar {
  margin-top: 15px; }
.h-100 {
  height: 100%; }
::placeholder {
  color: #747f8a !important;
  font-size: 13px;
  opacity: .5 !important; }
.container-fluid {
  padding: 0px; }
h1, h2, h3, h4, h5, h6 {
font-family: montserrat; }
strong {
  font-family: montserrat; }
body {
  background-color: #f1f1f145 !important;
  font-family: 'Merriweather', serif;
  color: #6A6A6A;
  overflow-x: hidden; }
.session-title {
  padding: 30px;
  margin: 0px; }
  .session-title h2 {
    width: 100%;
    text-align: center;
    font-family: 'Merriweather', serif;
    font-weight: 400; }
  .session-title p {
    max-width: 850px;
    text-align: center;
    float: none;
```

```
    margin: auto; }
  .session-title span {
    float: right;
    font-style: italic; }
.inner-title {
  padding: 20px;
  padding-left: 0px;
  margin: 0px;
  margin-bottom: 10px;
  padding-bottom: 0px;
  border-bottom: 1px solid #cccccccc4;
  display: block;
  padding-right: 0px; }
  .inner-title h2 {
    width: 100%;
    text-align: center;
    font-size: 1rem;
    font-weight: 600;
    text-align: left;
    border-bottom: 1px solid #863dd9;
    padding-bottom: 10px;
    margin-bottom: 0px;
    width: 300px; }
  .inner-title p {
    width: 100%;
    text-align: center; }
  .inner-title .btn {
float: right;
    margin-top: -38px;
    font-weight: 600;
    font-size: .8rem; }
.page-nav {
  padding: 40px;
  text-align: center;
  padding-top: 160px; }
  .page-nav ul {
    float: none;
    margin: auto; }
  @media screen and (max-width: 576px) {
    .page-nav {
      padding-top: 186px; } }
  @media screen and (max-width: 356px) {
    .page-nav {
      padding-top: 206px; } }
  .page-nav h2 {
    font-size: 36px;
    width: 100%;
    color: #444; }
    @media screen and (max-width: 600px) {
```

```
      .page-nav h2 {
        font-size: 26px; } }
  .page-nav ul li {
    float: left;
    margin-right: 10px;
    margin-top: 10px;
    font-size: 16px; }
    .page-nav ul li i {
      width: 30px;
      text-align: center;
      color: #444; }
    .page-nav ul li a {
      color: #444; }
.btn-success {
  background-color: #de1f26;
  border-color: #de1f26; }
  .btn-success:hover {
    background-color: #de1f26 !important;
    border-color: #de1f26 !important; }
  .btn-success:active {
    background-color: #de1f26 !important;
    border-color: #de1f26 !important; }
  .btn-success:focus {
    background-color: #de1f26 !important;
    border-color: #de1f26 !important;
    box-shadow: none !important; }
.btn-primary {
  background-color: #de1f26;
  border-color: #de1f26; }
  .btn-primary:hover {
    background-color: #de1f26 !important;
    border-color: #de1f26 !important; }
  .btn-primary:active {
    background-color: #de1f26 !important;
    border-color: #de1f26 !important; }
  .btn-primary:focus {
    background-color: #de1f26 !important;
    border-color: #de1f26 !important;
 box-shadow: none !important; }
.btn {
  box-shadow: 0 3px 1px -2px rgba(0, 0, 0, 0.2), 0 2px 2px 0 rgba(0, 0, 0, 0.14), 0 1px 5px 0 rgba(0, 0, 0,
0.12);
  border-radius: 2px; }
.form-control:focus {
  box-shadow: none !important;
  border: 2px solid  #863dd9; }
.btn-light {
  background-color: #FFF;
  color: #3F3F3F; }
```

```
.collapse.show {
  display: block !important; }
.form-control:focus {
  box-shadow: none;
  border: 2px solid #863dd9 !important; }
.form-control {
  background-color: #F8F8F8;
  margin-bottom: 20px; }
  .form-control:focus {
    background-color: #FFF;
    border-color: #CCC; }
.container {
  max-width: 1170px; }
  @media screen and (max-width: 575px) {
    .container {
      padding: 10px 15px; } }
html {
  scroll-behavior: smooth; }
header {
  box-shadow: 0 2px 5px 0 rgba(0, 0, 0, 0.16), 0 2px 10px 0 rgba(0, 0, 0, 0.12); }
  header .header-top {
    background-color: #de1f26; }
    header .header-top .col-det .ulleft li {
      float: left;
      padding: 11px;
      color: #FFF;
      font-size: 1rem;
      font-weight: 400; }
      header .header-top .col-det .ulleft li i {
        margin-right: 5px; }
      header .header-top .col-det .ulleft li span {
        margin-left: 15px; }
    header .header-top .col-det .ulright {
      float: right; }
      header .header-top .col-det .ulright li {
        float: left;
        padding: 11px;
        color: #FFF;
        font-size: 1rem; }
        header .header-top .col-det .ulright li i {
          margin-right: 5px; }
        header .header-top .col-det .ulright li span {
          margin-left: 15px; }
  header .header-bottom {
    background-color: #FFF; }
    header .header-bottom .navbar {
    float: right; }
      @media screen and (max-width: 991px) {
        header .header-bottom .navbar {
```

```
        width: 100%; } }
    header .header-bottom img {
      margin-top: 15px; }
      @media screen and (max-width: 991px) {
        header .header-bottom img {
          padding: 5px;
          margin-top: 0px;
          max-width: 230px; } }
  header .nav-col .navbar-nav li {
  padding: 14px 20px;
    font-weight: 600; }
@media screen and (max-width: 767px) {
  .navbar {
    padding: 0px; } }
.navbar-toggler {
  position: absolute;
  right: 0px;
  top: 19px; }
  @media screen and (max-width: 767px) {
    .navbar-toggler {
      top: -50px; } }
.scroll-to-fixed-fixed {
  background-color: #FFF;
  box-shadow: 0 2px 5px 0 rgba(0, 0, 0, 0.16), 0 2px 10px 0 rgba(0, 0, 0, 0.12); }
/* ================================== Slider CSS
================================== */
.slider-detail .carousel-caption {
  text-align: left;
  bottom: 90px;
  bottom: 105px; }
  .slider-detail .carousel-caption h5 {
    font-size: 44px;
    margin-left: -40px;
    font-weight: 600;
    text-align: center; }
  .slider-detail .carousel-caption p {
    margin-left: -40px;
    margin-top: 40px;
    font-size: 19px;
    text-align: center; }
.slider-detail .vbh {
  margin-left: -40px;
  text-align: center; }
  .slider-detail .vbh .btn {
    padding: 10px;
    margin-top: 40px;
    width: 200px;
    margin-left: 10px;
    font-weight: 600;
```

```
    font-size: 18px; }
.slider-detail .vdg-cur {
  color: #FFF;
  padding-top: 70px; }
@media screen and (max-width: 1180px) {
  .slider-detail .carousel-caption {
    bottom: 30px; } }
@media screen and (max-width: 1057px) {
  .slider-detail .carousel-caption {
    bottom: 10px; } }
@media screen and (max-width: 1057px) {
  .slider-detail .carousel-caption h5 {
    font-size: 32px; } }
@media screen and (max-width: 927px) {
  .slider-detail .carousel-caption h5 {
    font-size: 22px; } }
@media screen and (max-width: 1057px) {
  .slider-detail .carousel-caption p {
    font-size: 16px; } }
@media screen and (max-width: 927px) {
  .slider-detail .carousel-caption p {
    font-size: 13px; } }
/* ================================== Donation Process CSS
================================== */
.donation-care {
  padding: 50px;
  background-color: #FFF; }
  @media screen and (max-width: 940px) {
    .donation-care {
      padding: 30px 10px; } }
  .donation-care h4 {
    padding: 10px;
    margin-bottom: 0px;
    font-size: 1rem;
    font-weight: 600; }
  .donation-care p {
    padding: 10px;
    padding-top: 0px;
    text-align: justify;
    font-size: .85rem; }
  .donation-care i {
    font-size: 13px;
    margin-left: 10px; }
  .donation-care .vd {
    margin-bottom: 20px; }
  .donation-care .bkjiu {
    background-color: #F8F9FA;
    padding: 5px; }
    .donation-care .bkjiu .btn {
```

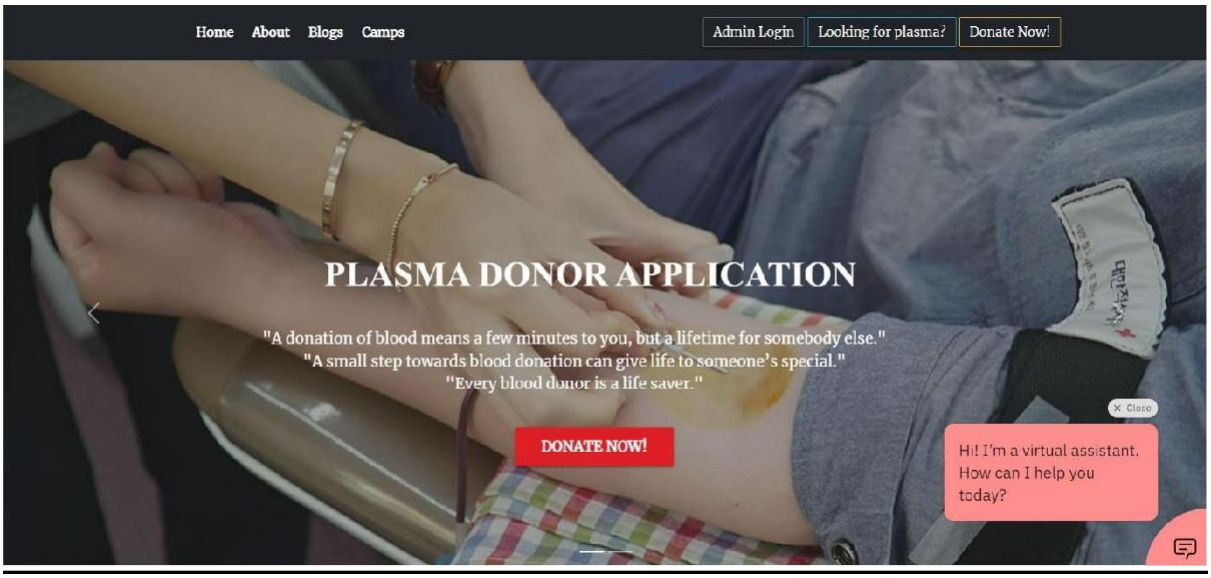
```
      margin-bottom: 6px;
      margin-left: 6px; }
  @media screen and (max-width: 940px) {
    .health-care {
      padding: 50px 10px; } }
  /* ================================== About US CSS
  ================================== */
  .about-us {
    padding: 50px;
    background-color: #FFF; }
    @media screen and (max-width: 940px) {
      .about-us {
        padding: 30px 10px; } }
    .about-us .text p {
      font-weight: 300;
      font-size: .85rem;
      color: #000;
      margin-bottom: 10px;
      text-align: justify; }
    .about-us .image img {
      margin-top: 30px; }
  /* ================================== About US CSS
  ================================== */
  footer {
    background: #000000;
    padding: 50px !important;
    padding: 50px;
    padding-bottom: 32px !important; }
    @media screen and (max-width: 940px) {
    footer {
        padding: 30px 10px; } }
    @media screen and (max-width: 600px) {
      footer {
        padding-bottom: 0px !important;
        padding-left: 15px !important;
        padding-right: 15px !important; } }
    @media screen and (max-width: 991px) {
      footer {
        padding-bottom: 50px !important; } }
    footer .content-ro {
      color: #FFF;
      margin-top: 20px; }
      footer .content-ro h2 {
        font-size: 1.3rem;
        font-weight: 600; }
        footer .content-ro .footer-contact .address-row .icon {
          padding: 15px; }
        footer .content-ro .footer-contact .address-row .detail p {
          font-weight: 300; }
```

```
    footer .content-ro .footer-links ul {
      margin-bottom: 15px; }
      footer .content-ro .footer-links ul li {
        float: left;
        width: 50%;
        font-weight: 300; }
    footer .content-ro .form-card {
      margin-top: -138px;
      box-shadow: 0 2px 5px 0 rgba(0, 0, 0, 0.16), 0 2px 10px 0 rgba(0, 0, 0, 0.12);
      background-color: #fff; }
      @media screen and (max-width: 600px) {
        footer .content-ro .form-card {
          margin-top: 10px; } }
      footer .content-ro .form-card .form-title {
        padding: 20px;
        background-color: #f9f9f9; }
        footer .content-ro .form-card .form-title h4 {
          margin-bottom: 0px;
          font-weight: 600;
          color: #444;
          text-align: center; }
      footer .content-ro .form-card .form-body {
        padding: 20px;
        border-top: 1px solid #cccccc; }
        footer .content-ro .form-card .form-body input {
          border-radius: 0px;
          height: 47px; }
  footer .footer-copy {
  padding: 30px 0px;
  color: #FFF;
    margin-top: 35px;
    border-top: 1px solid #fd8c90;
    padding-bottom: 0px; }
    footer .footer-copy a {
      color: #ccc; }
    @media screen and (max-width: 991px) {
      footer .footer-copy .socila-link {
        margin-top: 20px; } }
    footer .footer-copy .socila-link ul {
      float: right; }
      footer .footer-copy .socila-link ul li {
        float: left;
        padding: 0px 20px; }
        footer .footer-copy .socila-link ul li a {
          color: #fff; }
.footer-bot-image img {
  position: absolute;
  margin-top: -112px; }
/* ================================== Gallery CSS
```

```
================================== */
.gallery {
  padding: 50px;
  background-color: #f1f1f152; }
  @media screen and (max-width: 940px) {
    .gallery {
      padding: 30px 10px; } }
  @media (min-width: 478px) {
    .gallery .gg-element:nth-child(3n+0) {
      grid-row-end: span 1; } }
/* ================================== Our Blog  CSS
================================== */
.blog-container {
  background-color: #cccccc2e;
  padding: 50px;
  padding-bottom: 100px; }
  @media screen and (max-width: 940px) {
    .blog-container {
      padding: 30px 10px; } }
  .blog-container .news-row {
    margin-top: 20px; }
    .blog-container .news-row .news-card {
      display: flex;
      background-color: #FFF;
      box-shadow: 0 2px 3px 0 rgba(218, 218, 253, 0.35), 0 0px 3px 0 rgba(206, 206, 238, 0.35);
      margin-bottom: 20px; }
        .blog-container .news-row .news-card .detail h3 {
          font-size: 1.1rem;
          margin-bottom: 0px; }
        .blog-container .news-row .news-card .detail p {
          font-size: .85rem;
          text-indent: 20px;
          text-align: justify; }
        .blog-container .news-row .news-card .detail .footp {
          text-indent: 0px;
          background-color: #f2f6f7a1;
          margin-top: 5px;
          font-size: .8rem; }
          .blog-container .news-row .news-card .detail .footp span {
            padding: 0px 5px; }
      .blog-container .news-row .news-card:hover {
        box-shadow: 0 2px 5px 0 rgba(0, 0, 0, 0.16), 0 2px 10px 0 rgba(0, 0, 0, 0.12); }
button a:link {
  text-decoration: none;
}
button a:visited { text-decoration: none; color:#ffffff;}
button a:hover { text-decoration: none; color:#ffffff; }
a:active { text-decoration: none;
 }
```

SCREENSHOTS:

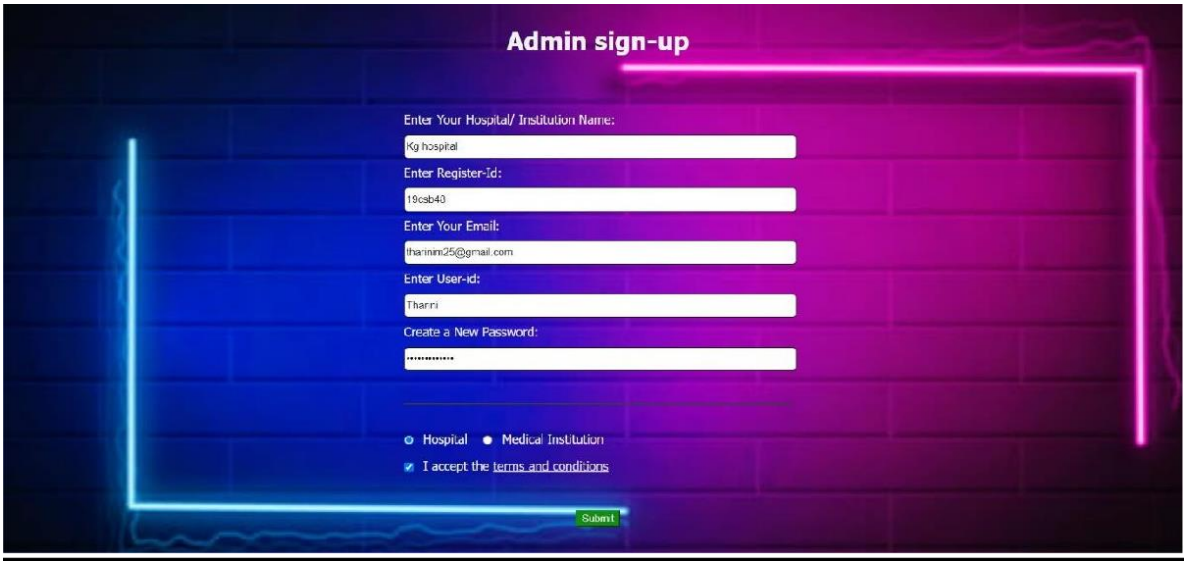
Home Page:



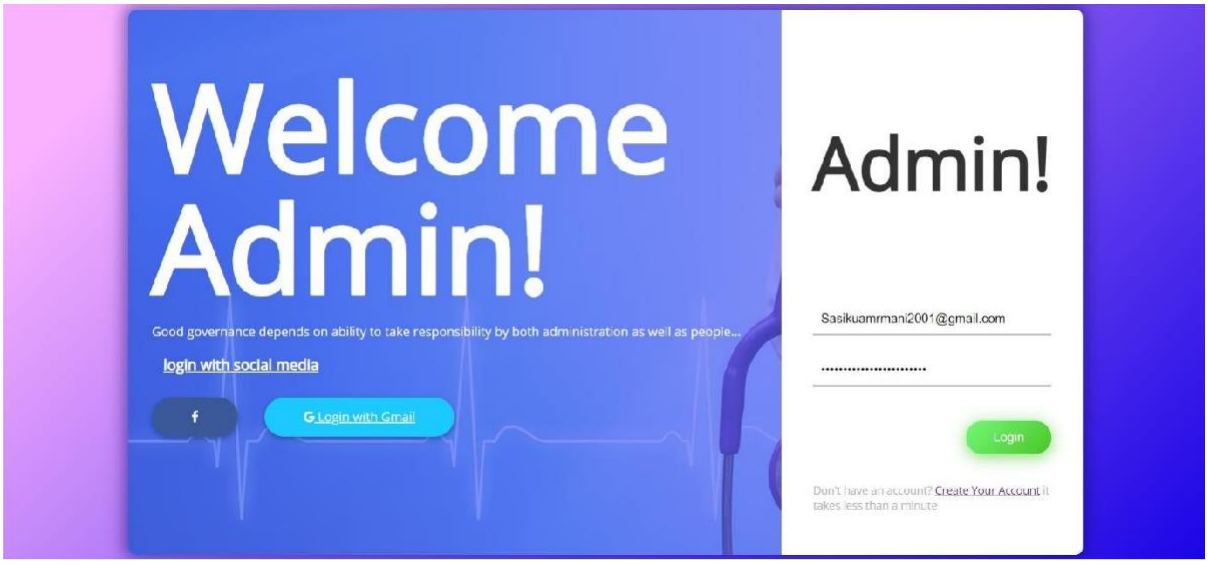
Blogs:

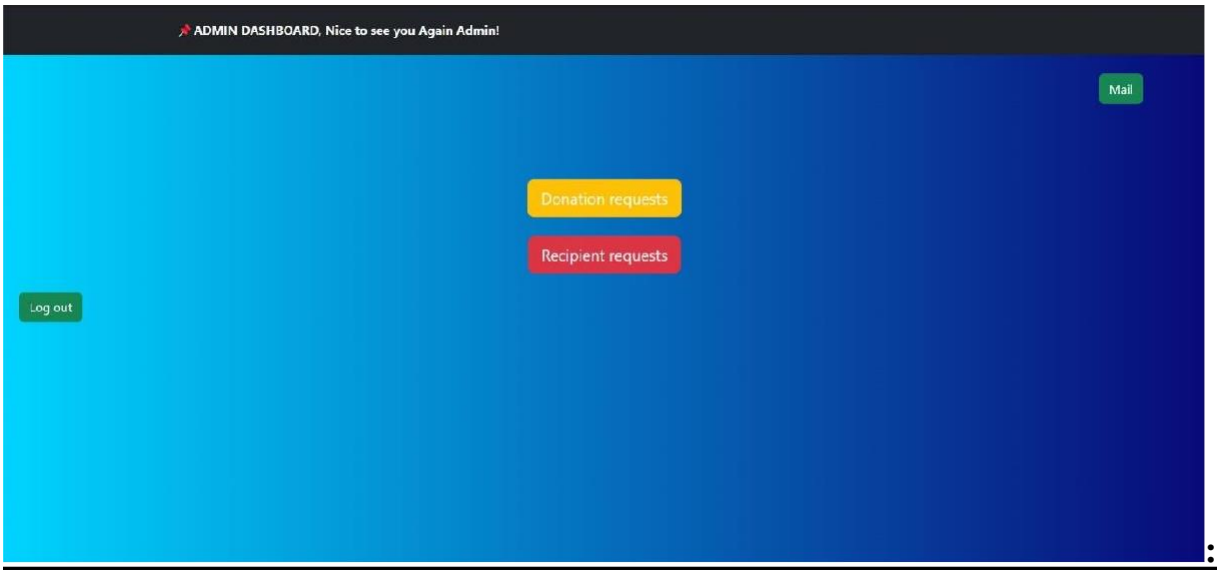
About:

Admin_Registration:



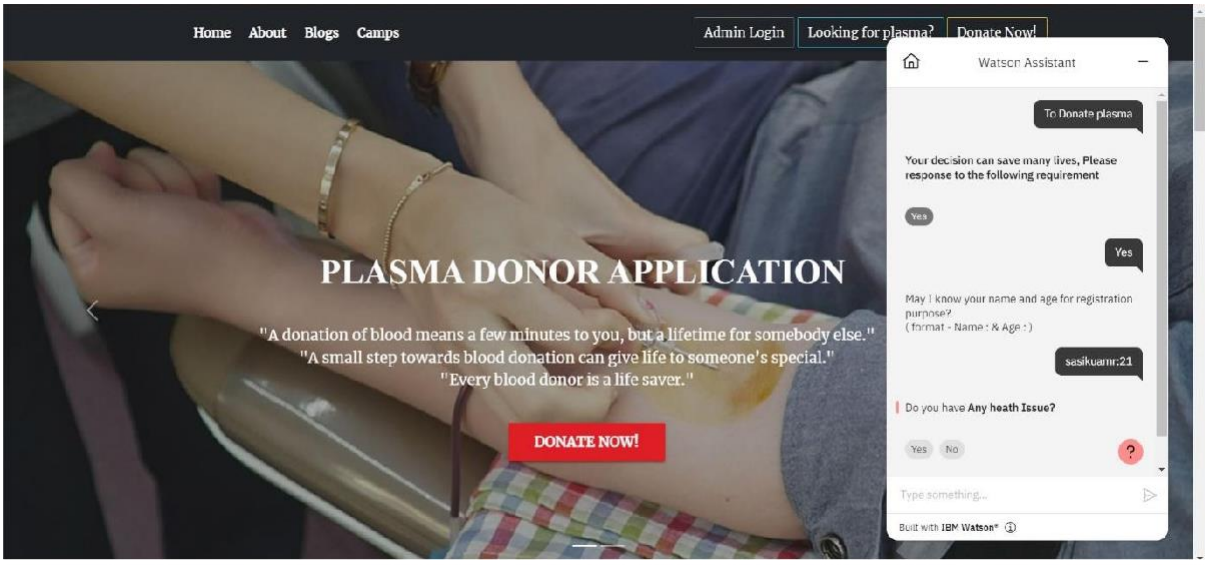
Admin_Login:


Welcome Admin!
Good governance depends on ability to take responsibility by both administration as well as people...
login with social media
Login with Gmail
Admin!
Sasikuamrmani2001@gmail.com
Login
Don't have an account? Create Your Account it takes less than a minute

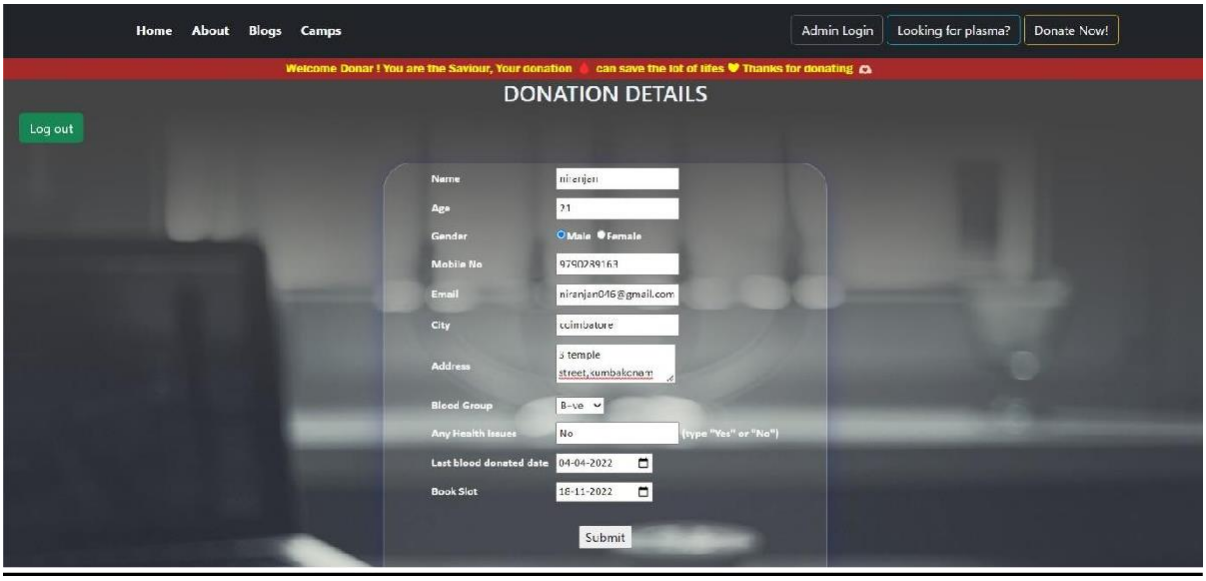

ADMIN DASHBOARD, Nice to see you Again Admin!
Mail
Donation requests
Recipient requests
Log out

:

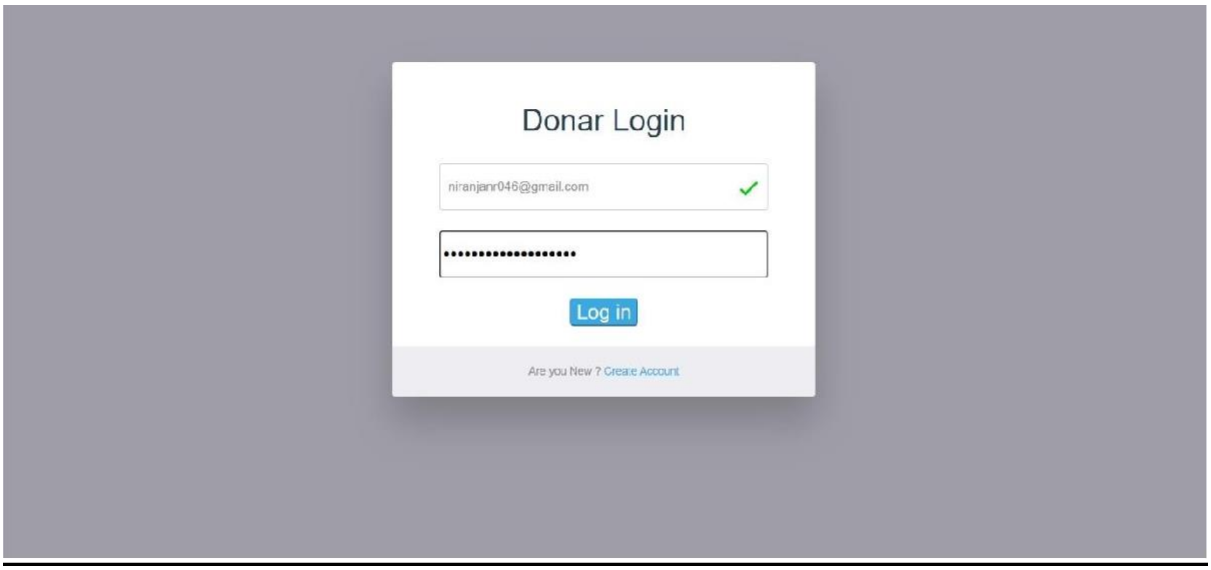
Chatbot:



Donor Registration:

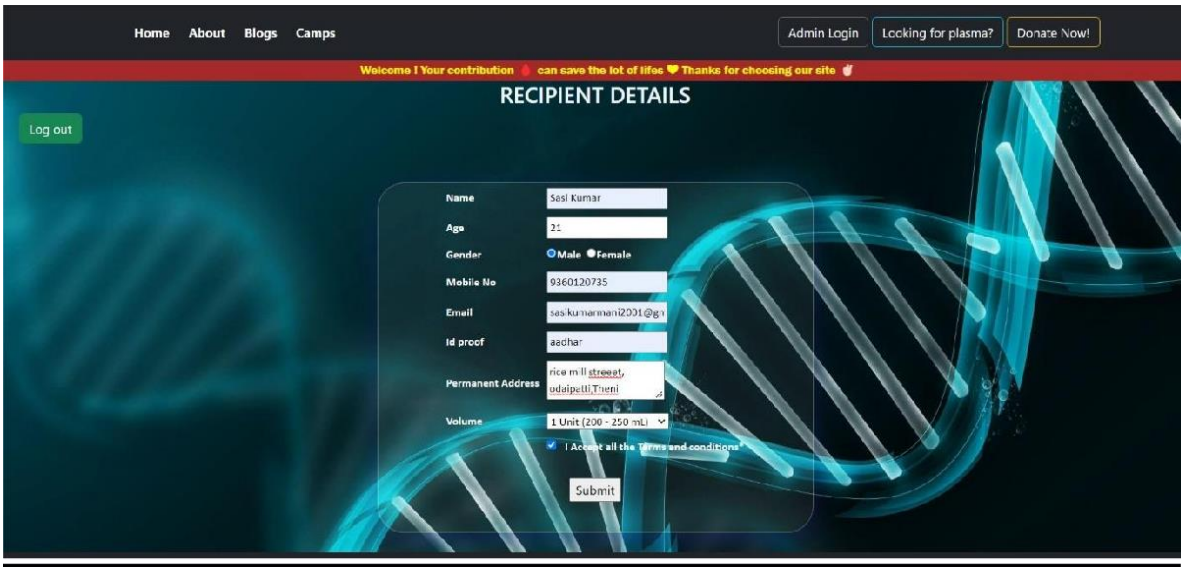


Donor Login:

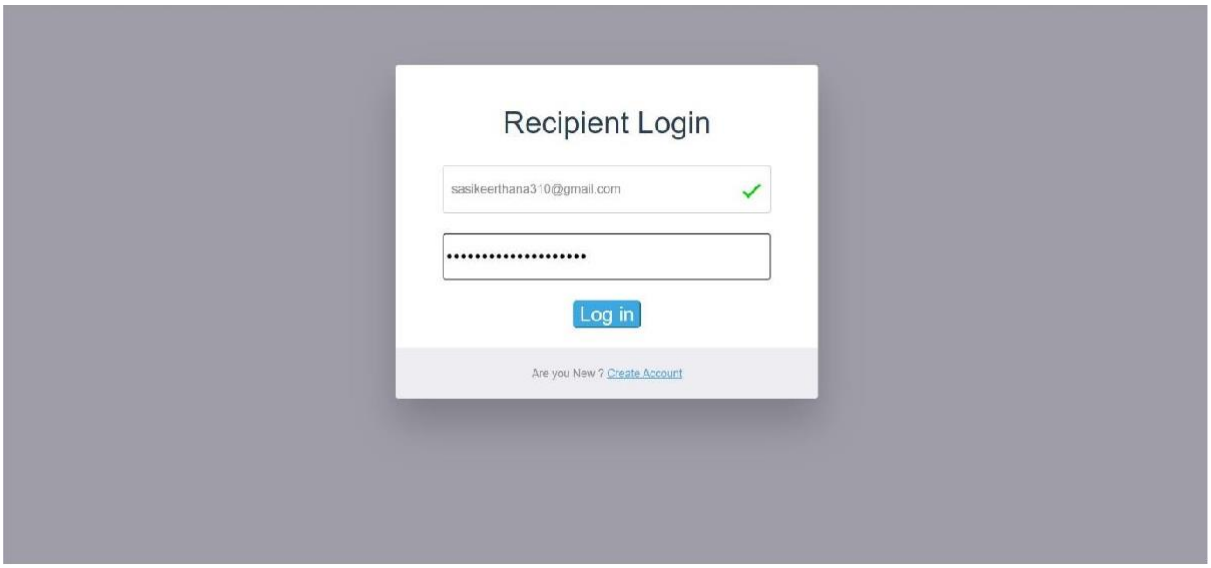


Donation Process:

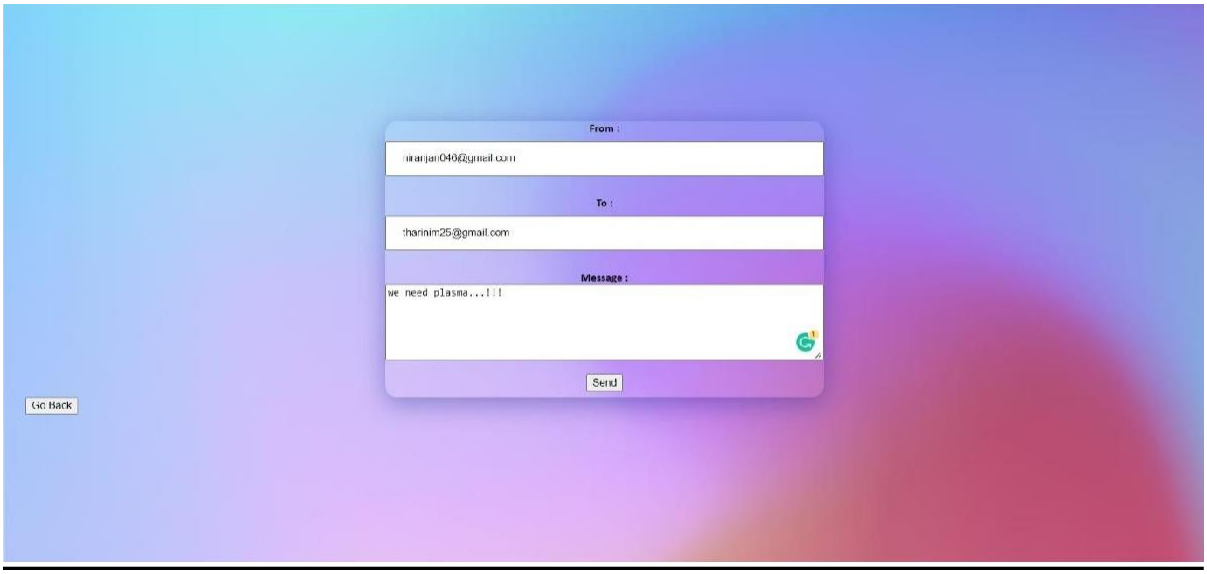
Recepient Registration:



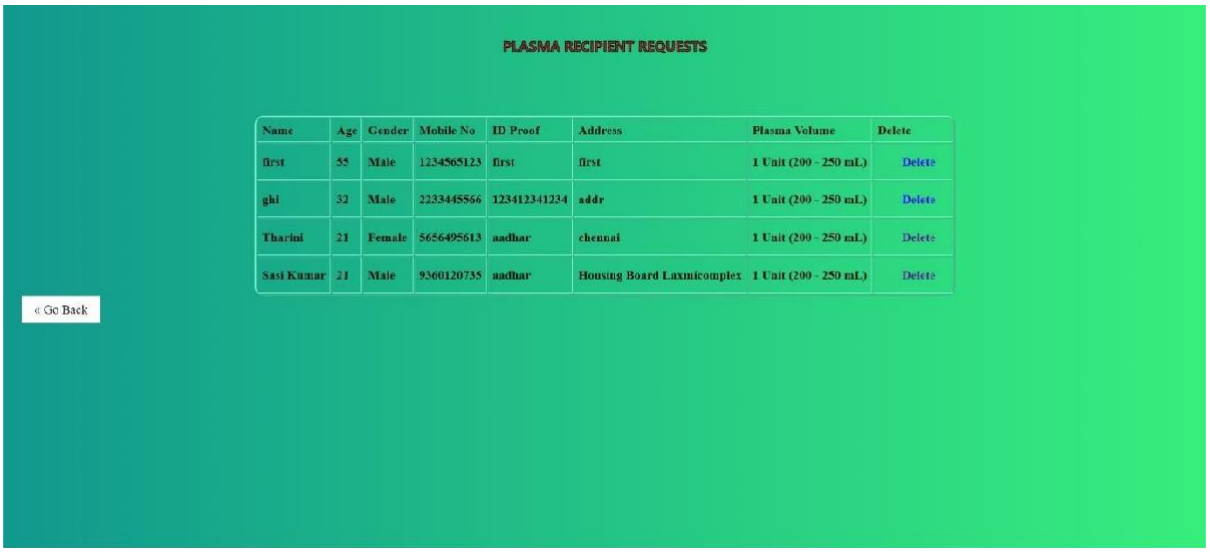
Recepient Login:



Mail:



Database:



GitHub Link

https://github.com/IBM-EPBL/IBM-Project-46840-1660793011

Project Demo Link

https://github.com/IBM-EPBL/IBM-Project-46840-1660793011/blob/e3543ae4627156b25d52753fe8b1872022817ebb/PROJECT_DEMO_VIDEO.mkv

CHAPTER 14
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