

# **REPORT OF DONATE PLASMA**

PROJECT OF ORACLE APEX

BY

**MADIPADIGE SAICHARAN**

19UK1A0520

B.TECH(CSE) 3RD YEAR 2ND SEMESTER

VAAGDEVI ENGINEERING COLLEGE

**SUBMITTED TO SMARTBRIDGE**

## **ABSTRACT**

During the COVID-19 crisis, the requirement for plasma became high and the donor count was low. Saving the donor information and helping the need by notifying the current donors would be helping hand. Regarding the problem faced, an application is to be built which would make the donor details, store them and inform them upon a request. We target the problem of managing the blood plasma available within areas and the patient count who are in need. Finding a plasma donor is a challenging issue in almost every country. So this plasma donor /requester finder application is built in a form to help different types of users including requester, donor and administrator.

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# **1. INTRODUCTION**

With rapid increase in the usage of social networks sites across the world, there is also a steady increase in blood donation requests as being noticed in the number of posts on these sites such as Facebook and twitter seeking blood donors. There are some blood donor finder applications in the market such as Blood app by Red Cross. However, more reliable applications that meet the needs of users are prompted.

If a patient needs a plasma at a clinic, plasma donors in vicinity can be contacted through using a clinic management service provided in this application. Registered donors will get notification for the blood requests only if their blood group is compatible with the requested blood type and in the same city/region. Then matching blood donors can go to the requesting clinic and donate.

## **2. LITERATURE SURVEY**

The major contribution of Human Sciences in the understanding of the whole plasma donation behavior has been through the study of individuals' motivations and deterrents to donate. However, if whole plasma donation has been very widely studied in the last two years, we still know very little about plasma donation in voluntary non-remunerated environments. Yet, the need for plasma-derived products has been strongly increasing for some years, and blood collection agencies have to adapt if they want to meet this demand. This application aims to review the main motivations and deterrents to whole plasma donation, and to compare them with those that we already know concerning plasma donation. Current evidence shows similarities between both behaviors, but also differences that indicate a need for further research regarding plasma donation.

Plasma collection centres should be located according to their accessibility from hospitals in order to improve the overall system performance. Moreover, centres are generally subject to regulatory control, designed to ensure the maximum quality and safety of blood products. They guarantee that blood bags are produced according to standardized procedures, to achieve consistency of each product.

### **3. DESIGN**

#### **Implementing Web Application**

Modules of the project :

- Login
- Registration
- Dashboard
- Plasma Request

#### **LOGIN**

Fetch the data upon login.

To create the login page, select a form page while creating the page in the application wizard select the database where you want to retrieve the user data.

#### **REGISTRATION**

Push the registration data into the database.

To create the registration page, select a form page while creating the form page in the application wizard select the database where you want to store the user data.

## **DASHBOARD**

Display the stats of different blood groups

To create the dashboard, select a dashboard page while creating so that we can show the blood count based on blood group in the piechart view and also frequency of blood groups. While creating the dashboard in the application wizard select the dashboard so that we can sort the data accordingly in the piechart and bar-graph view.

## **PLASMA REQUEST**

Upon request, take the required blood group and return the details.


To create the plasma request page, select a form page while creating the page we can store the inputs from the user. While creating the plasma request page in the application wizard select the database where you want to store the plasma requirement details. An email will be generated upon every request for plasma stating if the request is processed or not.

Once, the request processed the donor/requestor needs to visit near by hospitals and proceed with further process of plasma donate/request with the help of email received from this application.

## 4. OUTCOME SCREENS

### 4.1 LOGIN PAGE

DONATE PLASMA



☐ Remember username [?](#)

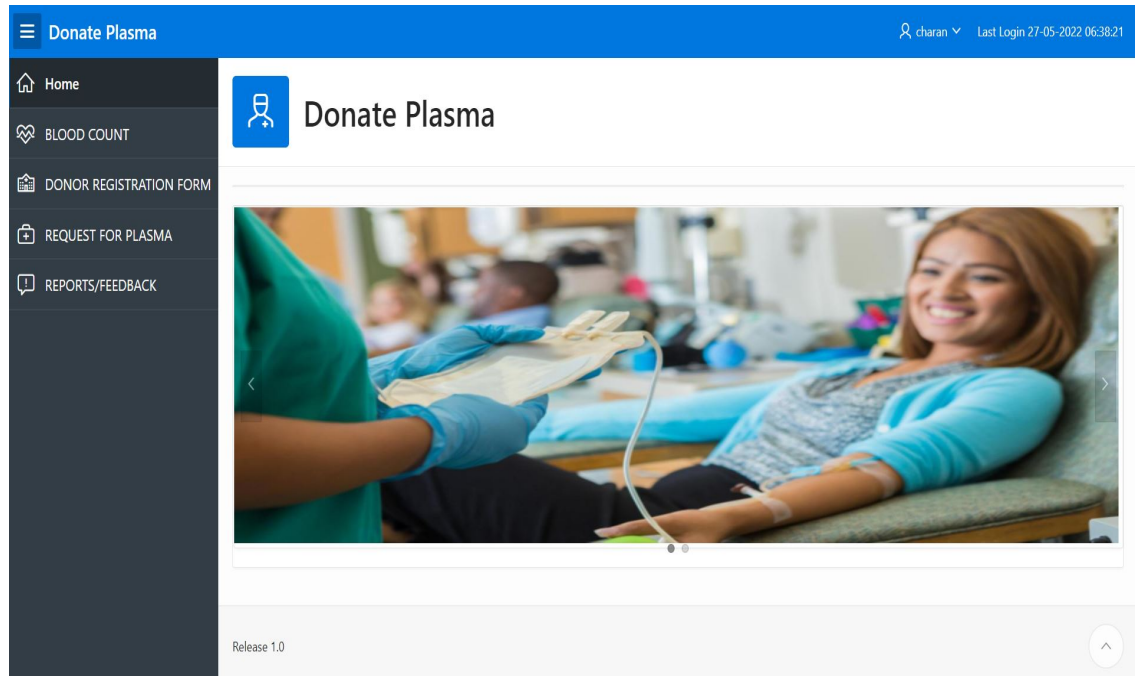
[Forgot Password?](#)

[Sign In](#)

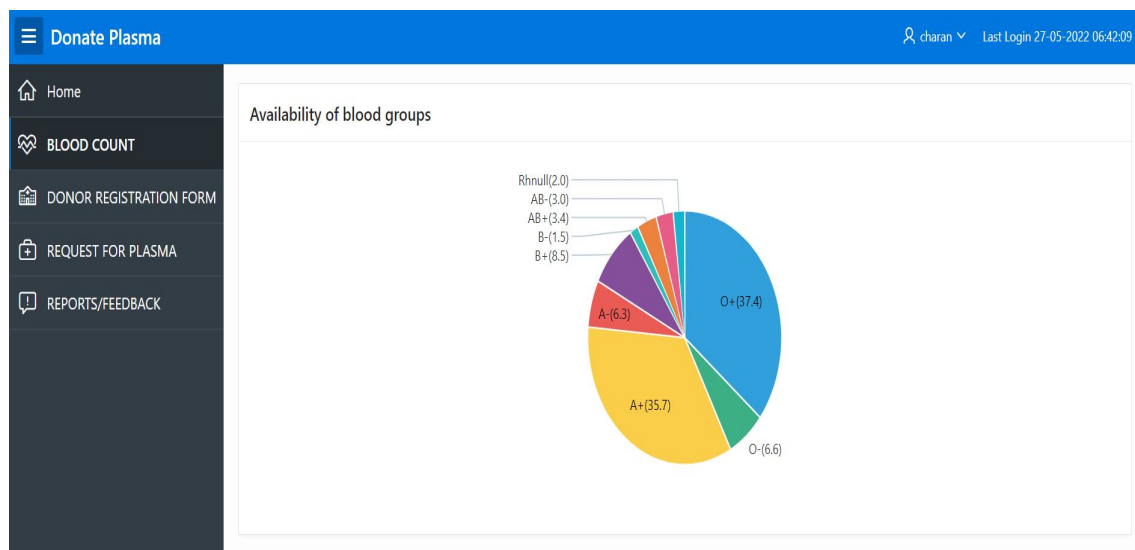
[Sign Up](#)

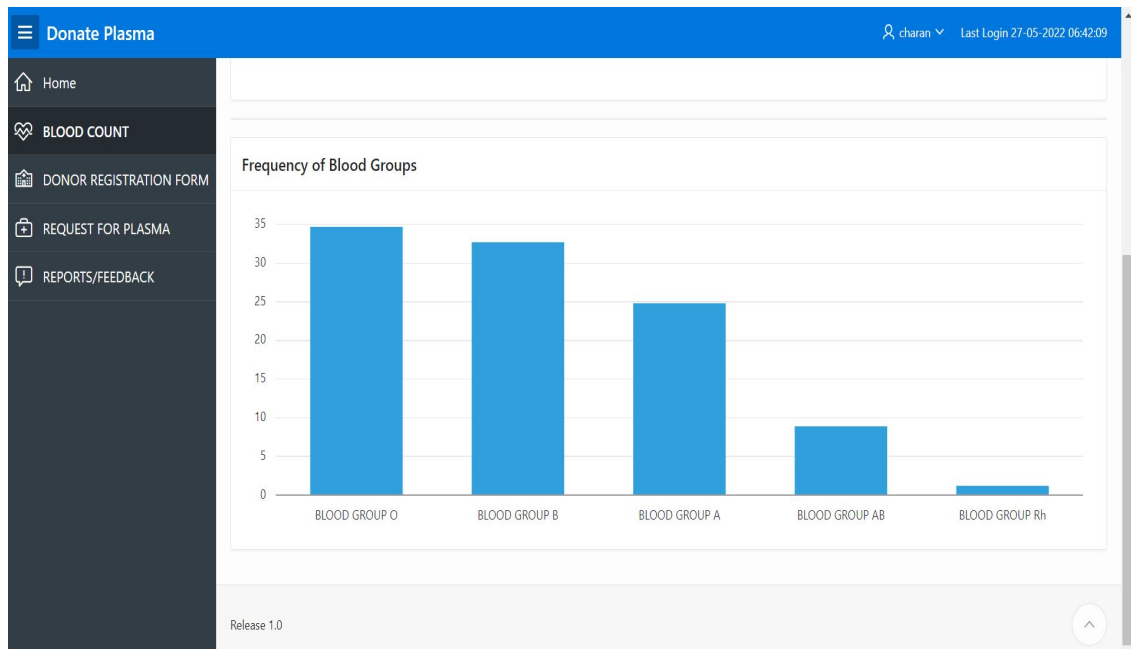


## 4.2 HOME PAGE



## 4.3 DASHBOARD





## 4.4 REGISTRATION PAGE

Donate Plasma

charan Last Login 27-05-2022 06:42:09

Home

BLOOD COUNT

DONOR REGISTRATION FORM

REQUEST FOR PLASMA

REPORTS/FEEDBACK

Registration Form

Name

Email

Age( 18 - 65 years )

Weight( Above 50kg )

Address

Donate Plasma

charan Last Login 27-05-2022 06:42:09

Home

BLOOD COUNT

DONOR REGISTRATION FORM

REQUEST FOR PLASMA

REPORTS/FEEDBACK

Mobile No

Blood Type \*

Recovered From Covid-19

Vaaccination \*

☐ O +  
☐ O -  
☐ B +  
☐ B -  
☐ A +  
☐ A -  
☐ AB +  
☐ AB -  
☐ Rhnull

☐ Yes  
☐ Not Diagnosed with COVID-19

☐ 1ST DOSE  
☐ 2ND DOSE  
☐ 3RD DOSE(BOOSTER)  
☐ NOT YET

Donate Plasma

charan Last Login 27-05-2022 06:42:09

Home

BLOOD COUNT

DONOR REGISTRATION FORM

REQUEST FOR PLASMA

REPORTS/FEEDBACK

☐ AB +  
☐ AB -  
☐ Rhnull

Recovered From Covid-19

Vaaccination \*

☐ Yes  
☐ Not Diagnosed with COVID-19

☐ 1ST DOSE  
☐ 2ND DOSE  
☐ 3RD DOSE(BOOSTER)  
☐ NOT YET

CONSENT:

I understand that:

- Plasma Donation is voluntary act and no inducement or remuneration will be offered.

- My Donated Plasma may be given to patient (currently ill with COVID-19), who is likely to benefit from it.

- I qualify the minimum criteria and give my consent on the above understanding for donating plasma.

Cancel

Register



## 4.6 FEEDBACK FORM

☰ Donate Plasma

🏠 Home

🩸 BLOOD COUNT

📄 DONOR REGISTRATION FORM

📋 REQUEST FOR PLASMA

🗨️ REPORTS/FEEDBACK

charan ▾ Last Login 27-05-2022 06:42:09

Reports/Feedback Form

Name

Email

Feedback/Suggestion

Complaints

Cancel

Submit

## **5.CONCLUSION**

Donate Plasma application provides a reliable platform to connect local blood donors with patients. Donate Plasma creates a communication channel through authenticated clinics whenever a patient needs plasma donation. It is a useful tool to find compatible plasma donors who can receive plasma request posts in their local area. Clinics can use this web application to maintain the plasma donation activity. Future improvement of the Donate Plasma can be explained.