

PLASMA DONOR APPLICATION

INTRODUCTION

OVERVIEW:

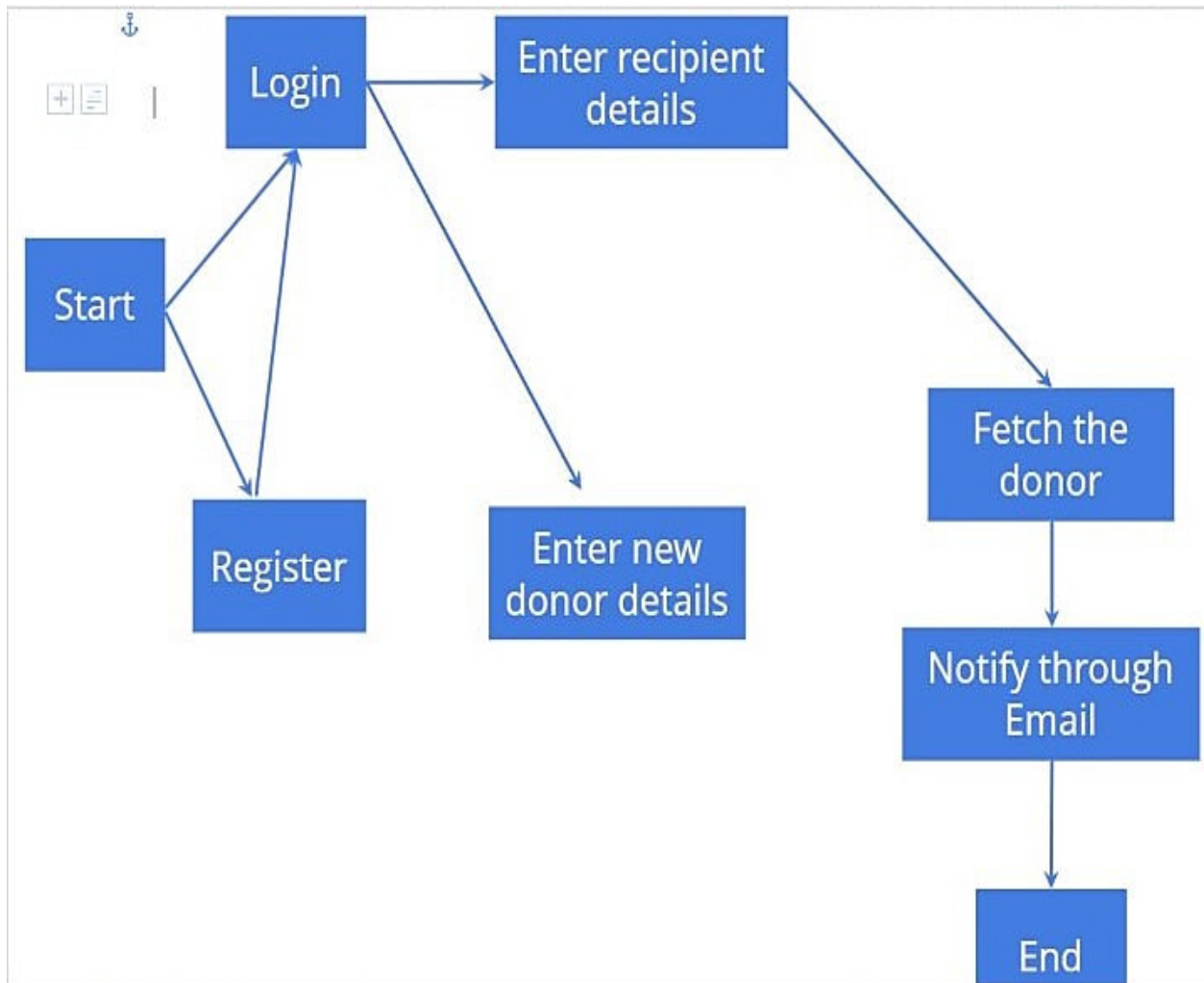
This Application will give the information the donor of plasma when there is request for the plasma by comparing the blood group the donor and receiver . The donor live count will be there on dashboard. When the request for the plasma of certain blood group the donor of that blood group will send the email by giving the information about the recipient .

PURPOSE:

Blood plasma donations are used for slightly more specific purposes than a general blood donation. The most common uses of plasma donations include individuals who have experienced a severe trauma, burn or shock, adults or children with cancer, and people with liver or clotting factor disorders. Donated plasma can be frozen and stored for up to one year. Nearly 10,000 units of plasma are needed every day in the United States, and plasma transfusions are often lifesaving. The purpose for plasma rapidly increased during COVID pandemic. This application will easily find out the donor information to the recipient. By storing the information of the donor and sending the email by providing the information about the recipient by making the communication easier between the donor and recipient .

THEORITICAL ANALAYSIS

BLOCK DIAGRAM:

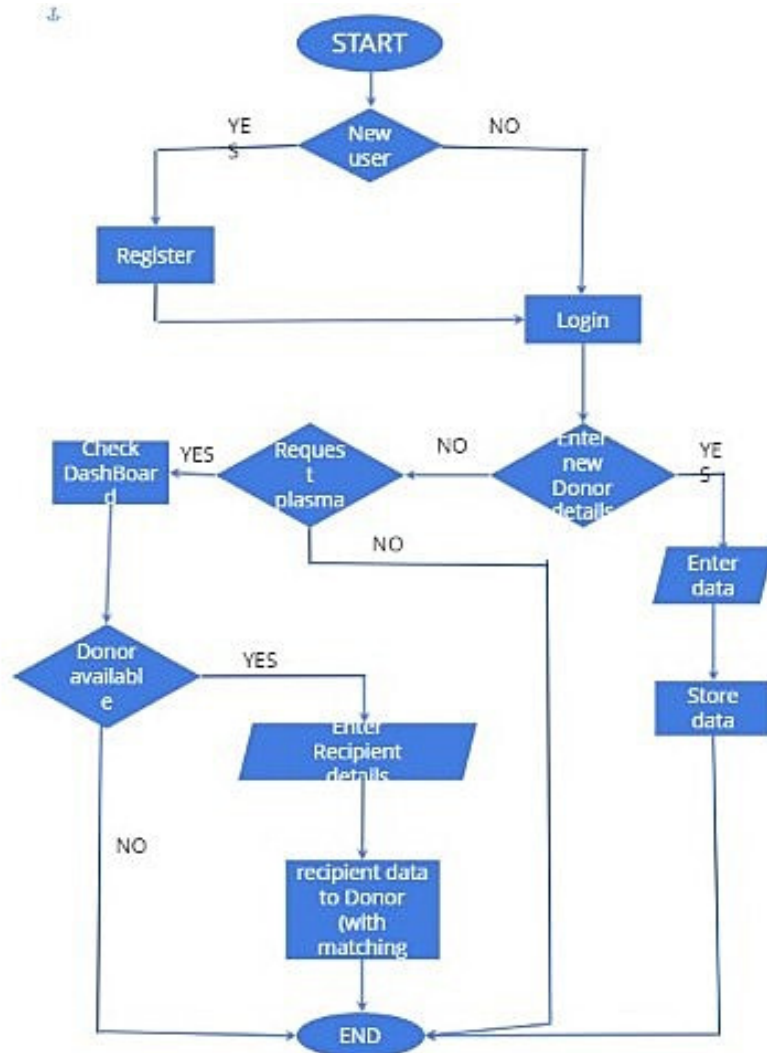


SOFTWARE / HARDWARE REQUIRMENTS :

- CPU: 1.6 GHz for web, 4 * 1.6 GHz for database.
- RAM: 4GB(minimum)

- Minimum Database Space : 12GB
- Good Internet Connection
- Windows 7 or higher.

FLOW CHART:



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Plasma Donor Application in_a393_sql_s60

Home Register Search Donor Donors Data

Plasma Donor Application

Release 1.0

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Plasma Donor Application in_a393_sql_s60

Home Register Search Donor Donors Data

Create Form

Email

Name

Phone

City

Infect

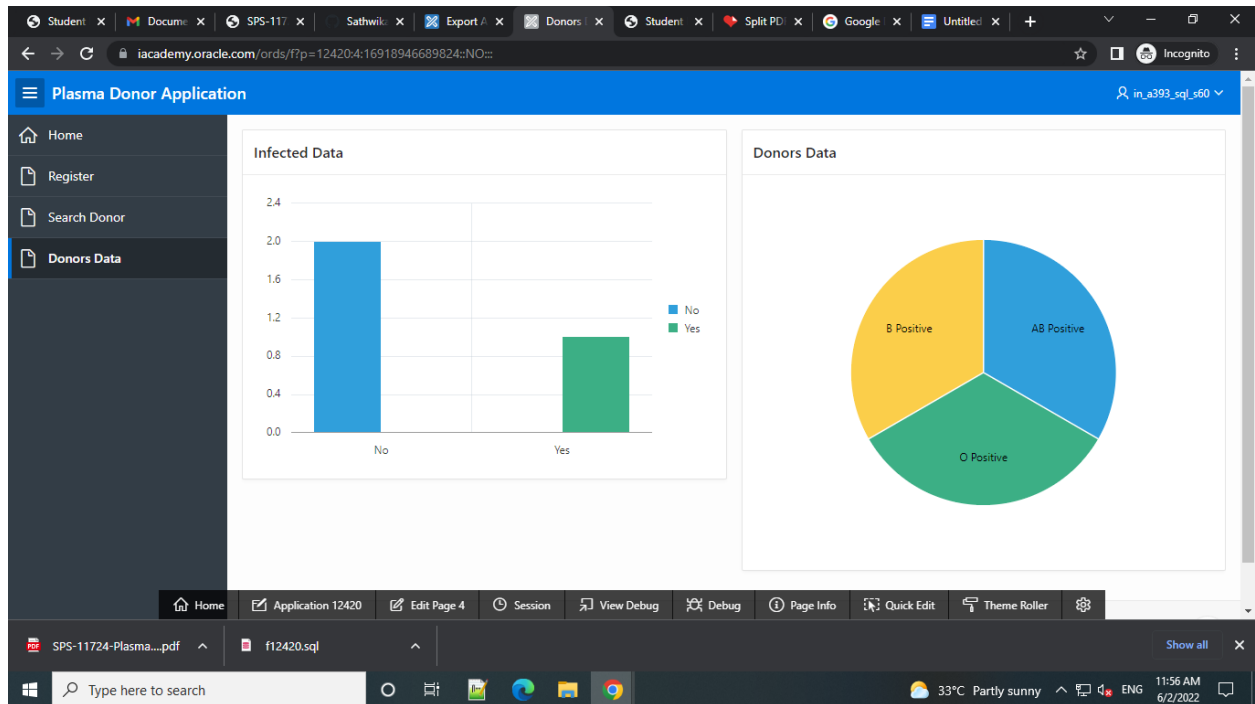
Blood Group

Cancel Create

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Plasma Donor Application

Home Register Search Donor Donors Data

Search

Email	Name	Phone	City	Infect	Blood Group
sathwika@gmail.com	Sathwika Kistipati	9390785592	Hyderabad	No	O Positive
sarayu@gmail.com	Sarayu Kistipati	9010160127	hyderabad	Yes	AB Positive
Lavanya@gmail.com	Lavanya	83094401016	hyderabad	No	B Positive

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ADVANTAGES AND DISADVANTAGES:

Advantages :

- This application acts as bridge between plasma recipients and donors.
- It is a user-friendly application.
- Any one can access app and know information about the plasma donors .
- It stores data about plasma donors.
- Plasma Receiver can check the availability of the plasma donors based on matching blood group.
- Any plasma donor can give their details for donating plasma.
- It provides information and send emails at a fast rate.

Disadvantages :

- This application is used only for plasma donation .
- It doesn't store detailed information about medical complications
- It cannot auto verify user genuineness.
- It requires an active internet connection.

APPLICATIONS:

1. Availability lookup for different blood groups.
2. Hassle free and time saving.
3. Makes emergency situation feasible.

CONCLUSION:

This application serves as a bridge between the needy and cure. It is mainly developed for the people living in rural areas to make use of it in maintaining records of groups available in a region. Hence, it is quite beneficial for people to know more about it and how it helps in serving a broad category of patients in needy of plasma.

FUTURE SCOPE

- In future, we will try to verify the genuine users.
- Improving the UI.
- Quality records management.
- Can be added detailed locations of availability.
- Making it more efficient to deal a large collection base.