Project Report

Plasma Donor Application

- **Introduction**
- **Overview**

This project is a simple demonstration of plasma donor application. It is developed in Oracle workspace using fundamentals of SQL queries and the aggregate functions. It also makes use of forms and extraction of data from them to store in our databases, generate graphs as well as pie chart for a simpler presentation.

The main page or the Home Page holds a logo of our application naming it. We have several other pages for various other functionalities. Our pages serve these following properties:

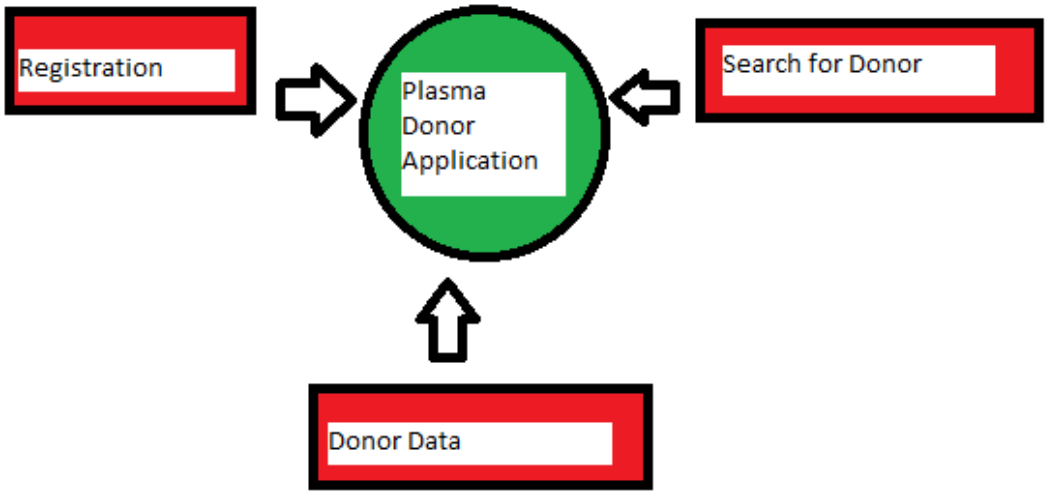
1. Donor Registration
2. Search for a donor
3. A graphical representation of collected data

Donor Registration requires an individual to fill up important personal details like email, phone no, etc. and then the record is added to thee database. Next Page has provide the facility to look for a particular donor and adds several filters to be performed on our data based on one's requirements. The last page depicts a bargraph of infected individuals data and a pie-chart for depicting donor's data.

Purpose

The purpose for creating this application is to make it hassle-free for the people who are in need of a certain group. It makes it easy for look for a certain blood group. Moreover it maintains a dataset of all samples collected from different people and in similar way it is utilised by other needy people by making use of search donor functionality which is rather effective and time saver. This can be improved even better by making the UI more better and improving the quality of records we maintain.

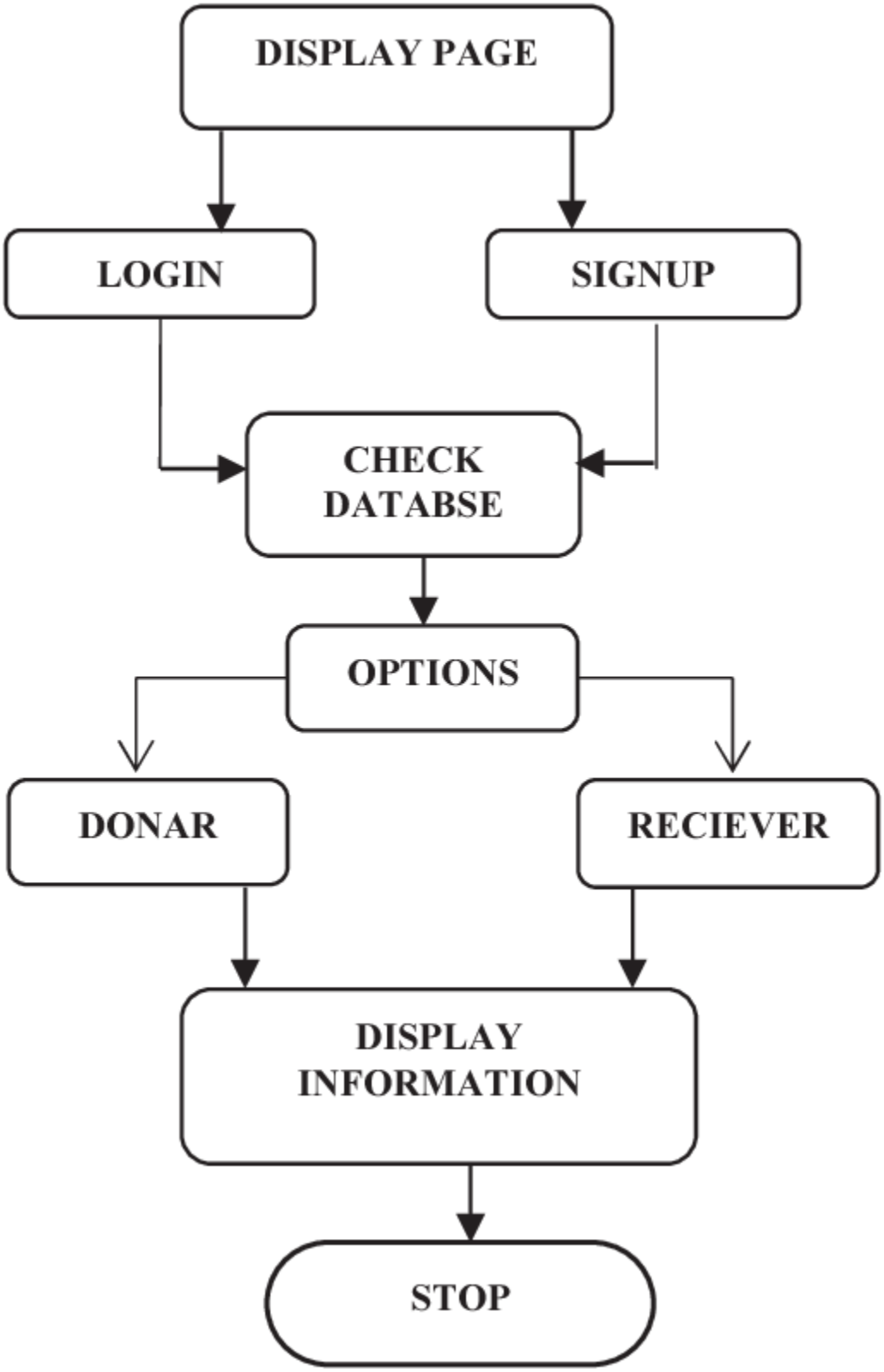
Block diagram



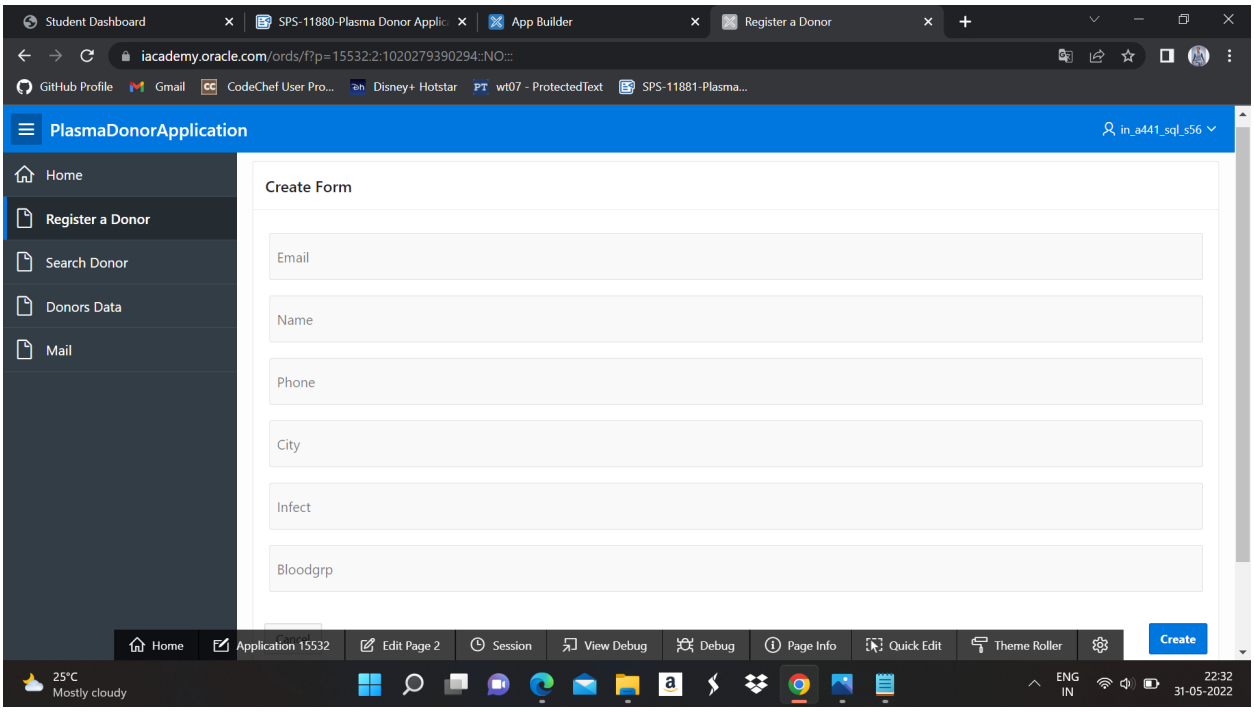
Hardware/Software Requirements

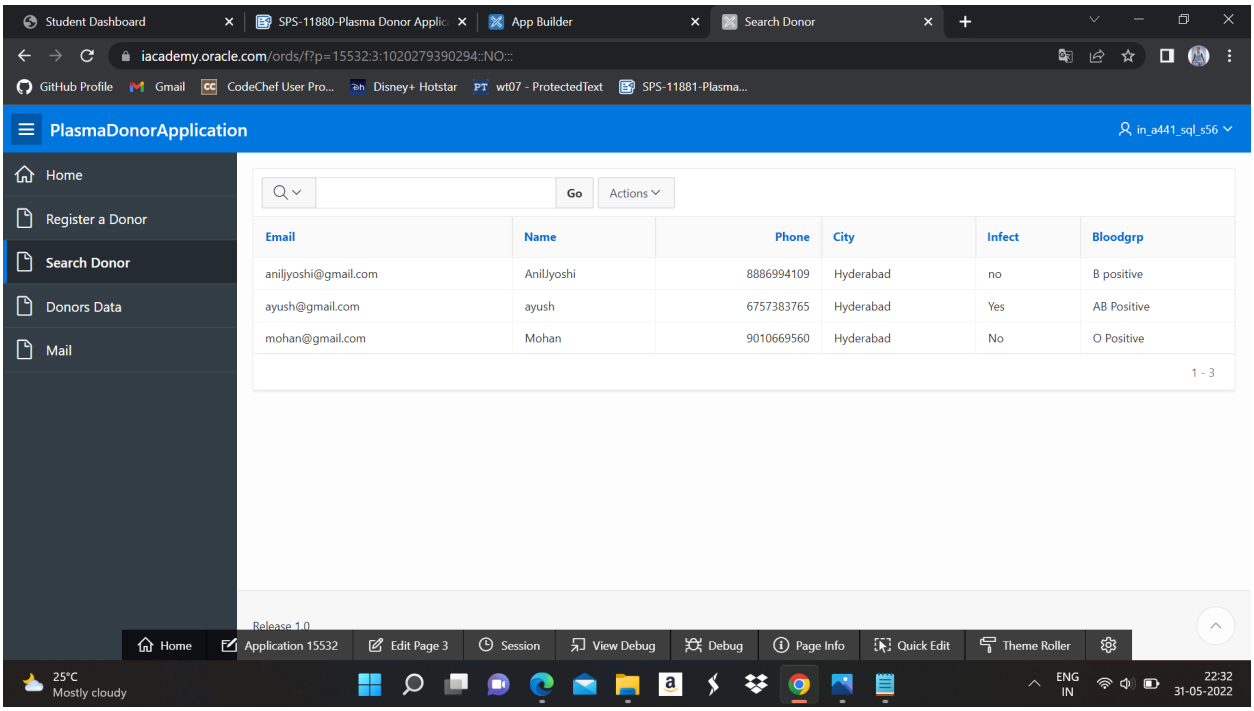
- CPU: 1.6 GHz for web, 4 x 1.6 GHz for database
- RAM: 4GB
- Minimum Database Space: 10GB
- Good Internet Connection
- Windows 7 or higher

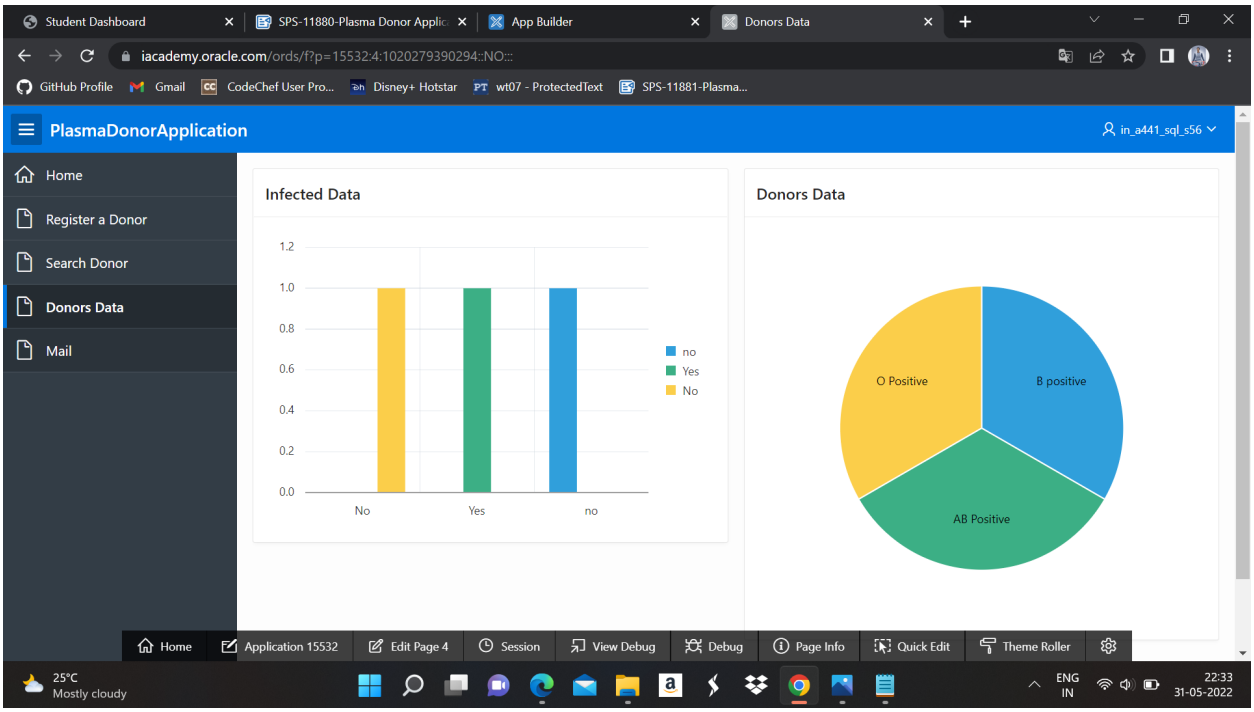
Flowchart

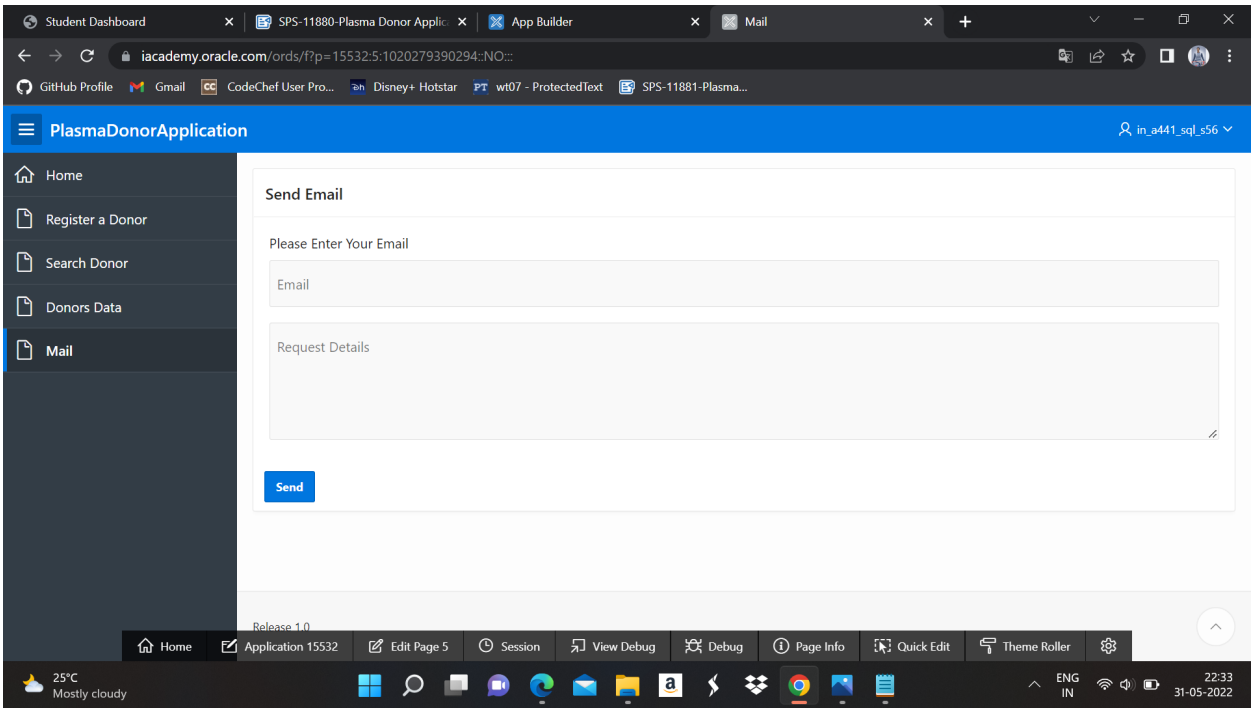

DISPLAY PAGE
LOGIN
SIGNUP
CHECK DATABSE
OPTIONS
DONAR
RECIEVER
DISPLAY INFORMATION
STOP

Final Findings









Applications of Plasma Donor Application

The applications of the plasma donor application are as follows:

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

Future Scope

Following changes can be made to improve the application even better:

1. Improving the UI
2. Maintaining even more details about a donor
3. Quality records management
4. can be added locations of availaibility
5. Making it more efficient to deal a large collection base
6. can be made better by adding a feature like prediction of diseases.

Appendix

The source code of the application is available on the following github page
link: https://github.com/smartinternz02/SPS-11880-Plasma-Donor-Application
workspace : IN_441_SQL_S56
username : IN_441_SQL_S56
password : Anil@123