

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:

Donor Registration

Search for a donor

Donor Registration requires an individual to fill up important personal details like email, phone no, etc. and then the record is added to the 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.

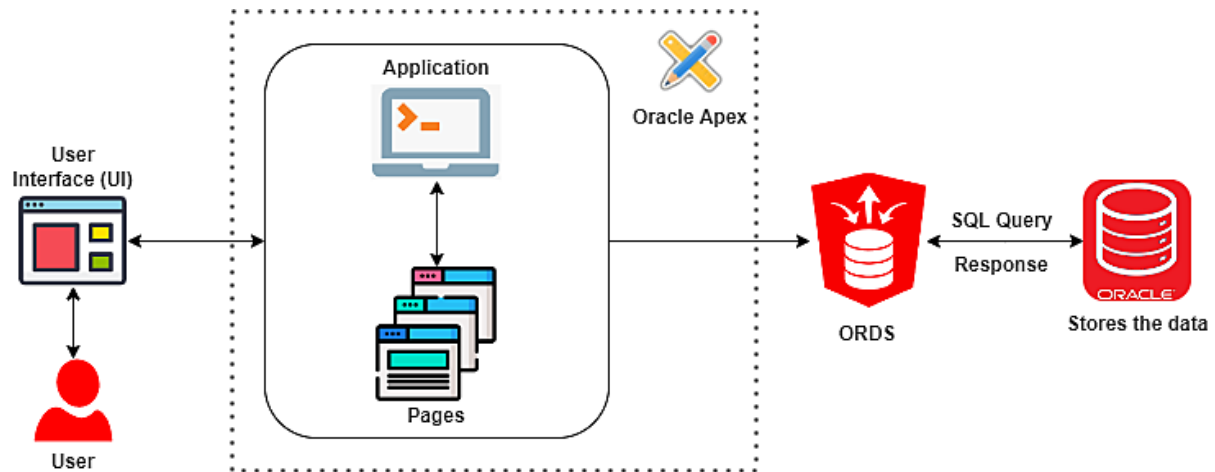
The last page depicts a bargraph of infected individuals data and a pie-chart for depicting donor's data.

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.

THEORITICAL ANALYSIS:

Block Diagram:



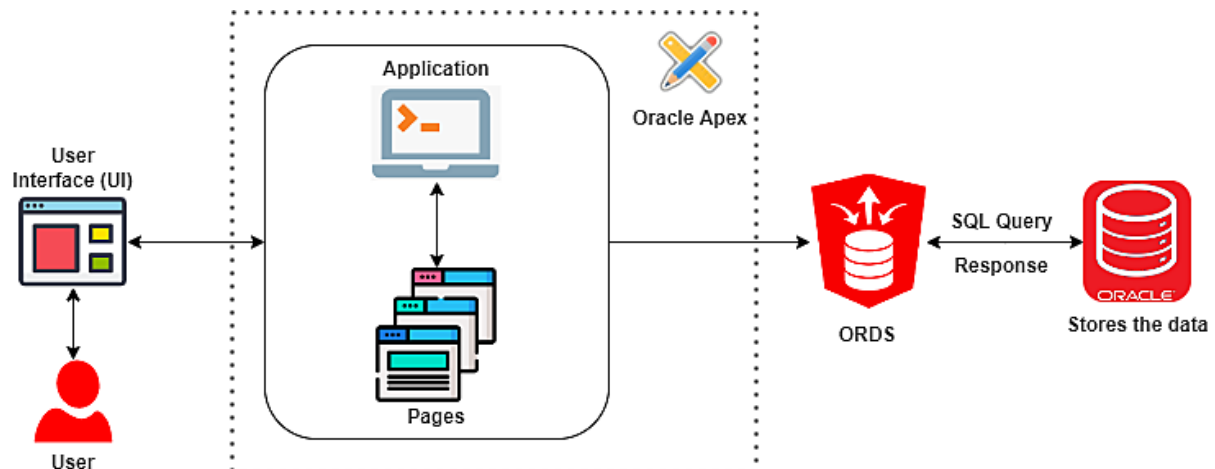
HARDWARE /SOFTWARE REQUIREMENTS:

CPU: 1.6 GHz for web, 4 x 1.6 GHz for database

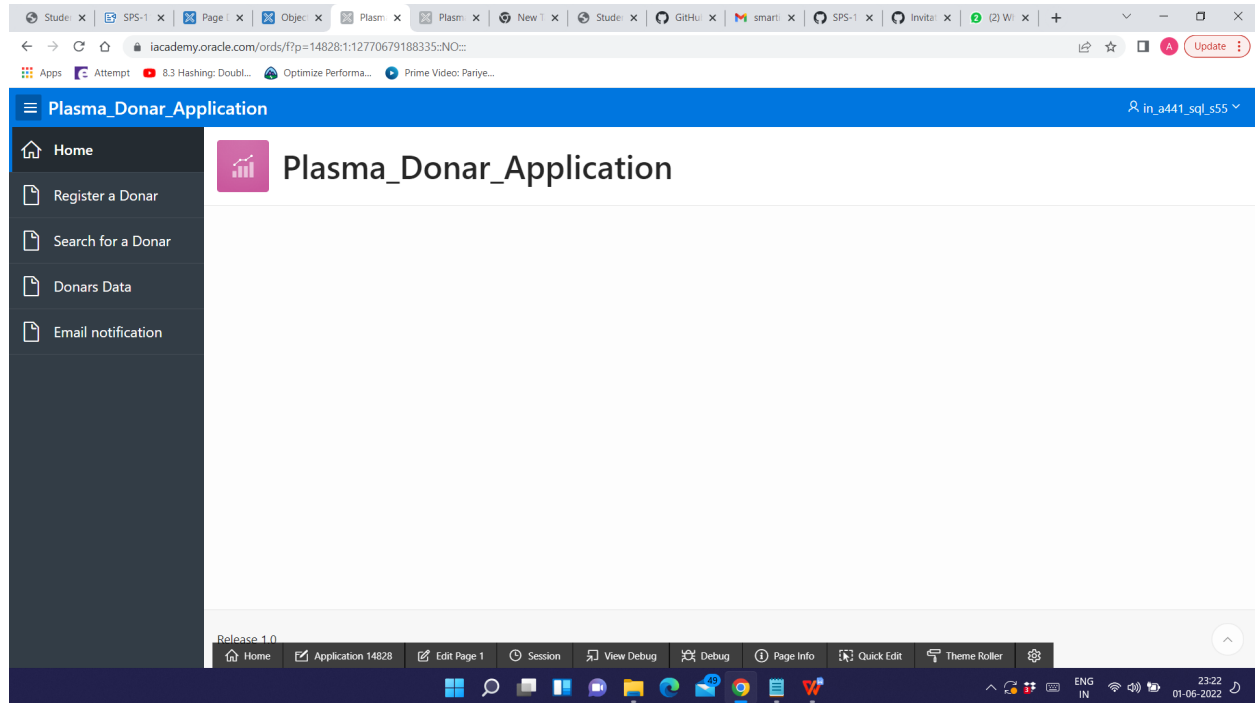
RAM: 4GB

Minimum Database Space: 10GB

FLOWCHART:



RESULT:



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Plasma_Donar_Application

in_a441_sql_s55

- Home
- Register a Donar
- Search for a Donar
- Donars Data
- Email notification

Create Form

Email
anushabathini18@gmail.com

Name
anusha

Phone
8776576567

City
Nalgonda

Infect
No

Bloodgroup
B Positive

Cancel Create

Home Application 14828 Edit Page 2 Session View Debug Debug Page Info Quick Edit Theme Roller

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Plasma_Donar_Application

in_a441_sql_s55

- Home
- Register a Donar
- Search for a Donar
- Donars Data
- Email notification

Q Go Actions

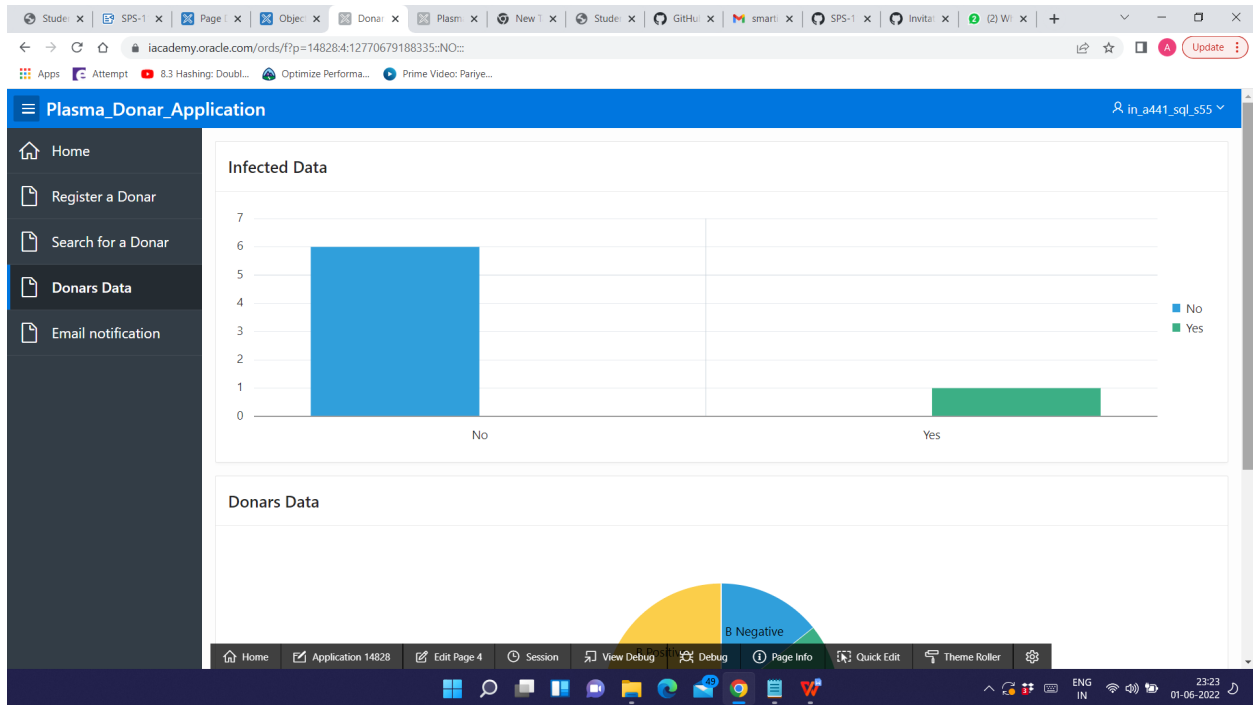
Email	Name	Phone	City	Infect	Bloodgroup
kruthika15@gmail.com	Kruthika	9456789876	Nalgonda	No	O Positive
anushabathini1805@gmail.com	Anu	7898768787	Nalgonda	No	O Positive
ab@gmail.com	Anusha	8888946565	Hyderabad	No	O Positive
xyz@gmail.com	Sri	9878987678	Karimnagar	No	B Positive
chinni2323@gmail.com	Shree	6545667890	Vijayawada	Yes	O Positive
Deepu41@gmail.com	Deethi	7878678978	Nellore	No	B Negative
anushabathini18@gmail.com	anusha	8776576567	Nalgonda	No	B Positive

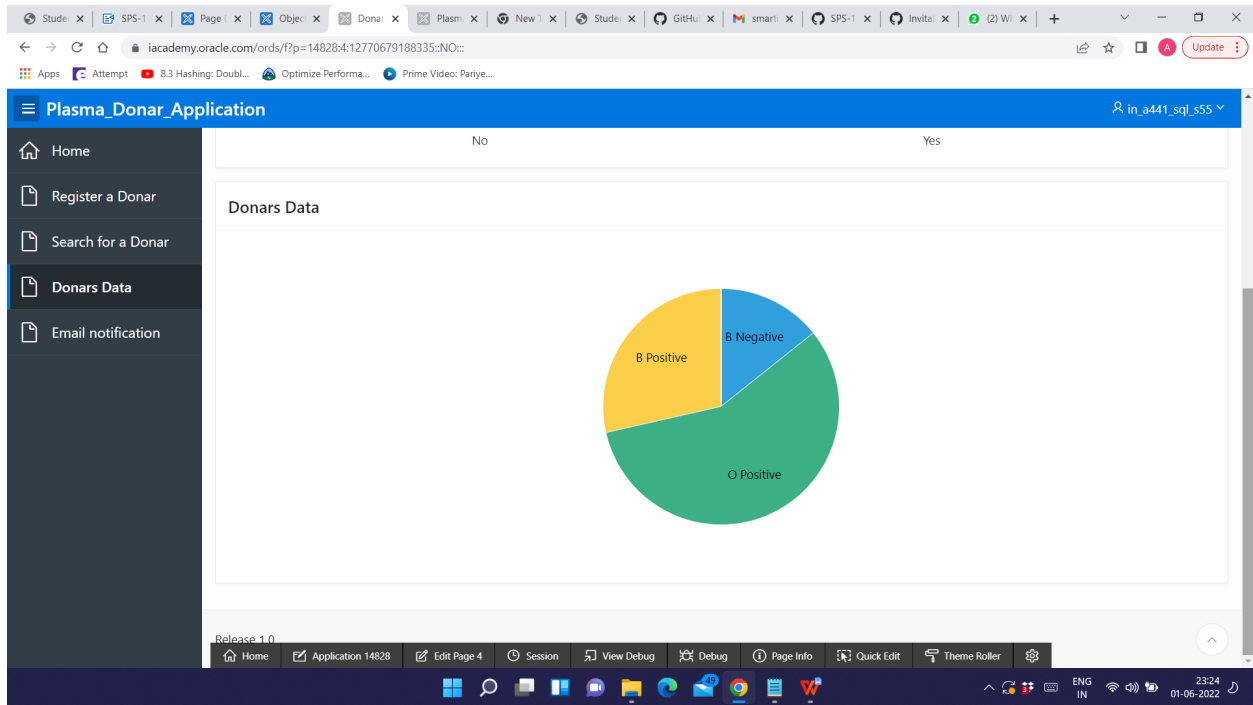
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Release 1.0

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Apps Attempt 8.3 Hashing: Doubl... Optimize Performa... Prime Video: Pariye...

Plasma_Donar_Application

Email sent successfully! x

Home Register a Donar Search for a Donar Donars Data Email notification

New

Sender Email
vutukurukruthika2002@gmail.com

Rbloodgroup
O Positive

Send

Release 1.0

Home Application 14828 Edit Page 5 Session View Debug Debug Page Info Quick Edit Theme Roller

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APPLICATIONS:

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:

Improving the UI

Maintaining even more details about a donor

Quality records management

can be added locations of availaibility

Making it more efficient to deal a large collection base

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-11891-Plasma-Donor-Application>

Workspace : IN_A441_SQL_S55

Username :IN_A441_SQL_S55