

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.

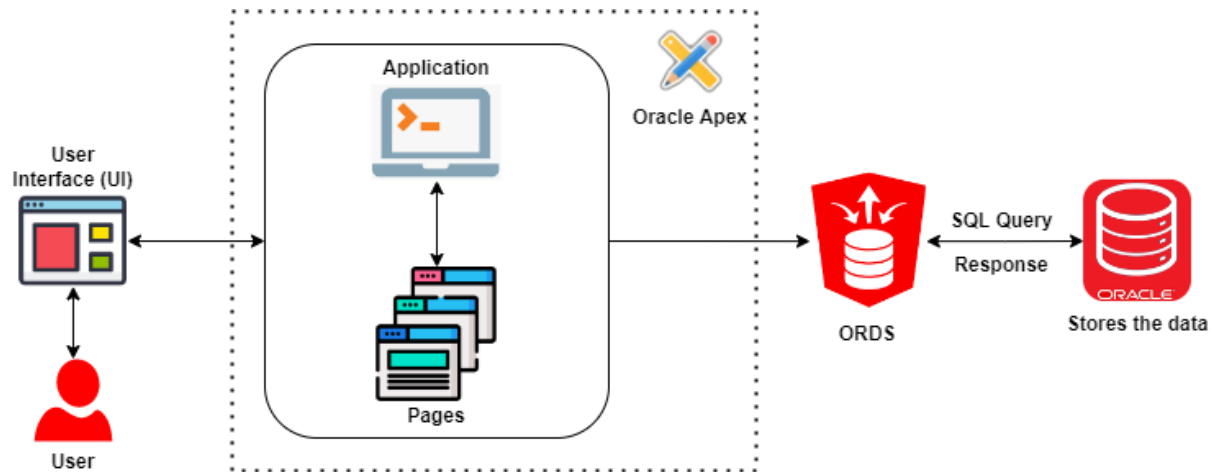
The last page depicts a bargraph of infected individuals data and a pie-chart for depicting donor's data.

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:



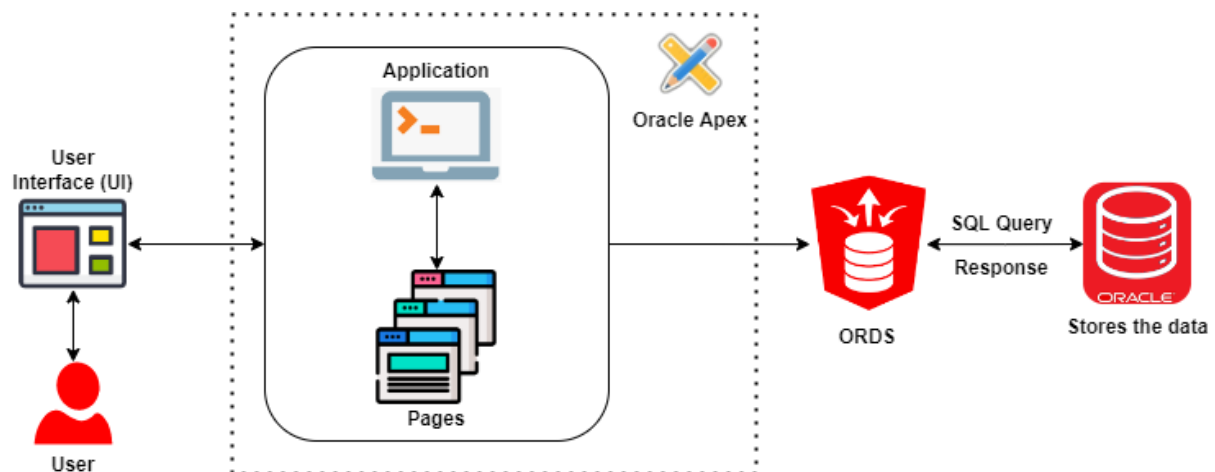
HARDWARE /SOFTWARE REQUIREMENTS:

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

RAM: 4GB

Minimum Database Space: 10GB

FLOWCHART:



RESULT:

Page Designer | Object Browser | Register a Donor | Student Dashboard

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PlasmaDonorApplication | in_s441_sq_s18

Home | Register a Donor | Search a Donor | Donors Data | Email Notification

Create Form

Email:

Name:

Phone:

City:

Infected:

Bloodgroup:

Release 1.0 | Home | Application 1275 | Edit Page 2 | Session | View Debug | Debug | Page Info | Quick Edit | Theme Roller

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App Builder | Object Browser | Export App | Search a Donor | Student Dashboard | Student Dashboard | SPS-1188 | smartint | SPS-1188 | SmartInt |

iacademy.oracle.com/ords/f?p=1275:3:11903735190410::NQ::

PlasmaDonorApplication | in_s441_sq_s18

Home | Register a Donor | Search a Donor | Donors Data | Email Notification

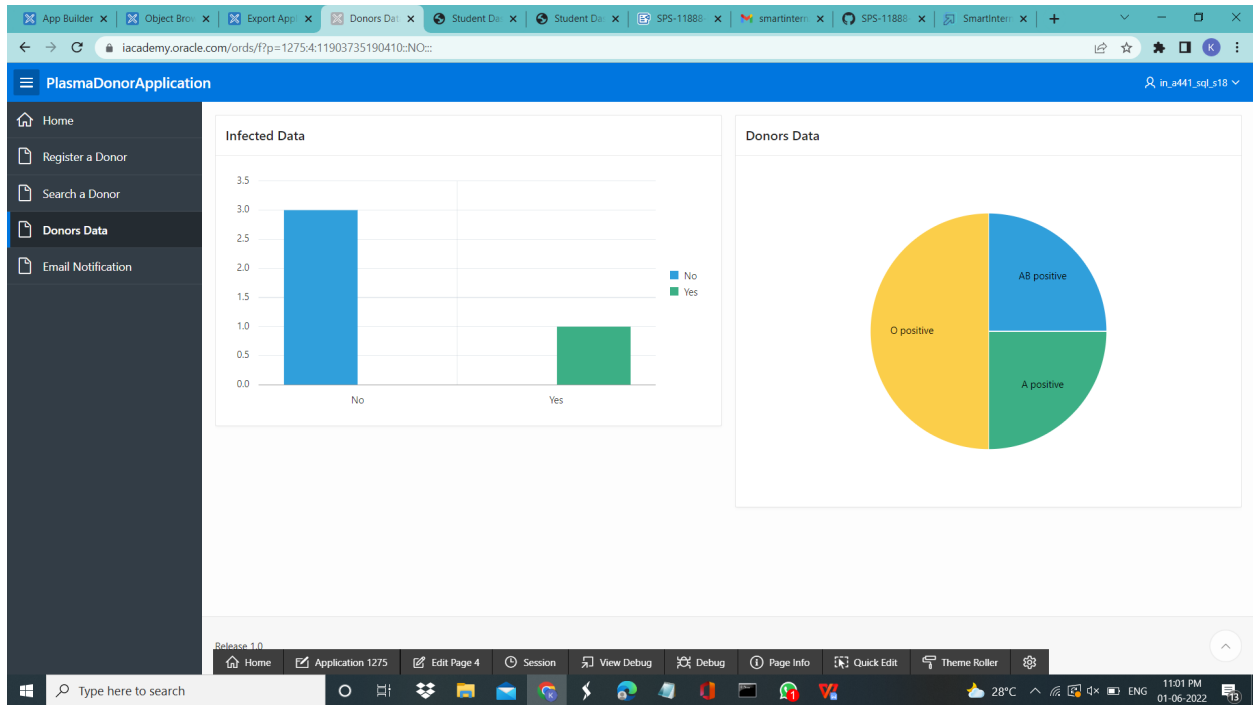
Q Go Actions

Email	Name	Phone	City	Infected	Bloodgroup
vkru@gmail.com	Chithra	8234567890	Hyderabad	No	AB positive
gajulalaharika60@gmail.com	Natasha	5287441963	Siricilla	No	O positive
vkruhika@gmail.com	Kruthika	8969768510	Hyderabad	No	O positive
vkru@gmail.com	Priya	9868784567	Hyderabad	Yes	A positive

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Release 1.0 | Home | Application 1275 | Edit Page 3 | Session | View Debug | Debug | Page Info | Quick Edit | Theme Roller

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PlasmaDonorApplication

Home

Register a Donor

Search a Donor

Donors Data

Email Notification

New

Sender Email
vutukurukruthika2002@gmail.com

Receiver blood group
O positive

Send

Release: 1.0

Home Application 1275 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-11888-Plasma-Donor-Application>

Workspace : **IN_A441_SQL_S18**

Username :**IN_A441_SQL_S18**