PLASMA DONOR APPLICATION

INTRODUCTION

Overview:

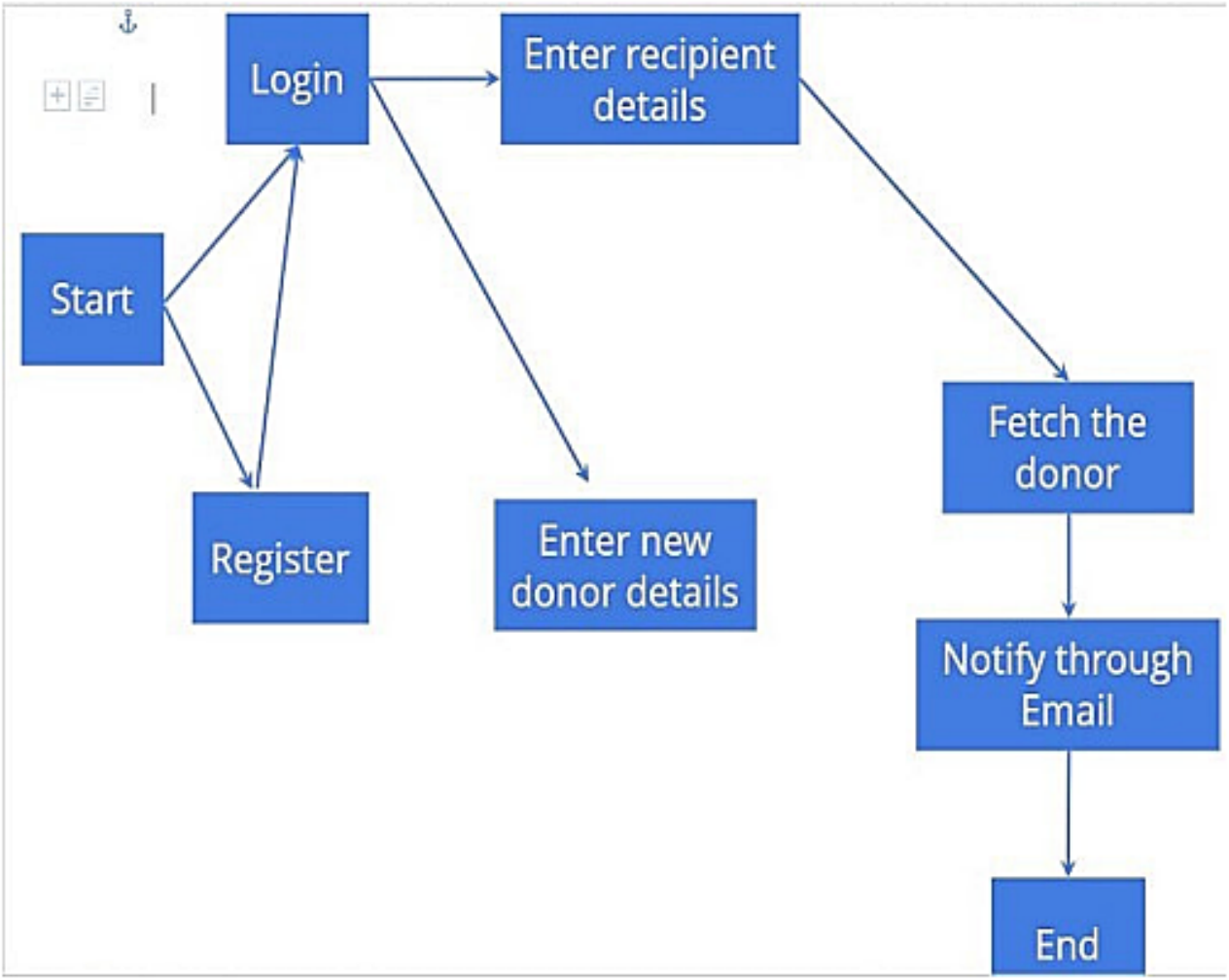
During COVID-19 crisis, the plasma requirement became high and donor count was low because of unawareness of donor blood at the required hospital.So, to track all the donors who can give blood and their blood type can be accessed by this application whenever they need it.The donor information is saved in the database and helping the users by notifying when a person requests for a particular blood type.

Purpose:

The initiative is aimed at helping to bridge the gap between the donors and the patients who require blood. Plasma plays the critical role of maintaining a healthy blood pressure, blood volume and a proper pH balance. Without plasma, our body would not be supplied with many of the proteins that are necessary to support blood clotting and our immune system responses. In addition, plasma carries many of the electrolytes that our muscles need to function properly and support our activities of daily living.So in order to get plasma whenever there is a need for that blood group using this application we can send an email to all the donors who have that particular blood group.The purpose for plasma rapidly increased during COVID pandemic.This application will easily find outs 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 .

THEORETICAL ANALYSIS

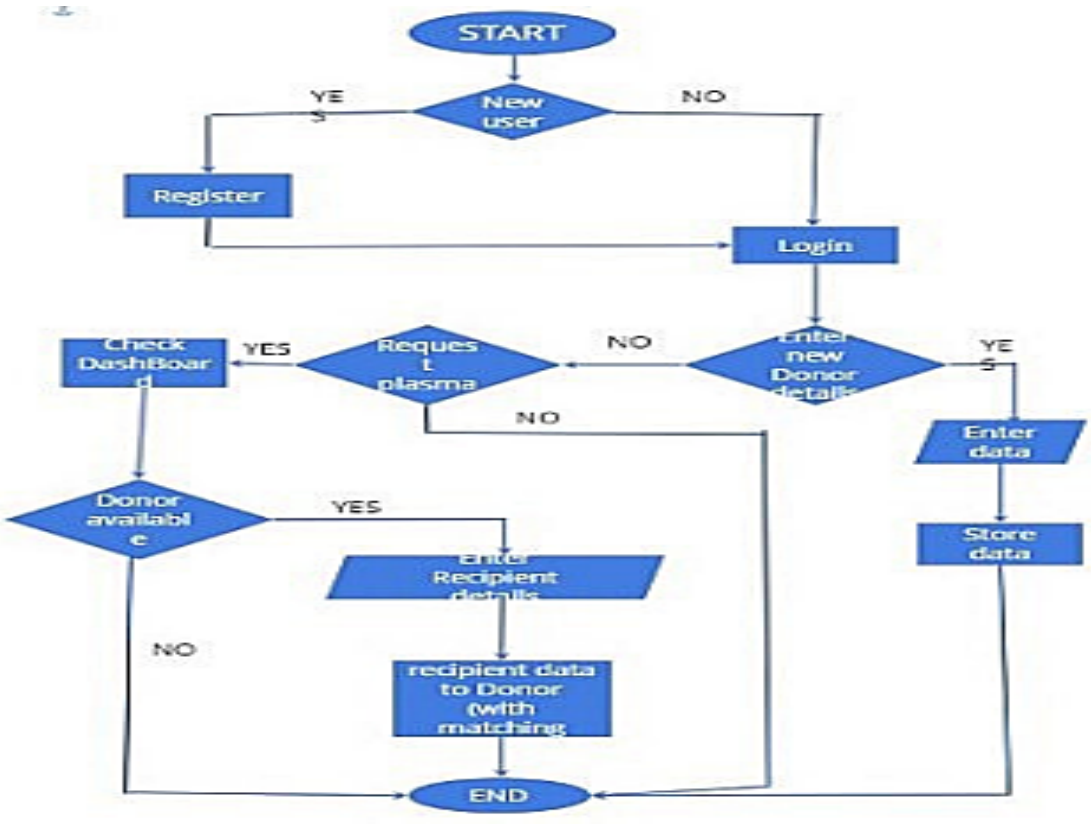
BLOCK DIAGRAM:



SOFTWARE/HARDWARE REQUIREMENTS:

- WINDOWS 7 or Higher Version
- Good Internet Connection
- Maximum Database Space is 12GB
- RAM :4GB
- CPU : 1.6 GHz for web, $*1.6 GHz for database

FLOW CHART:



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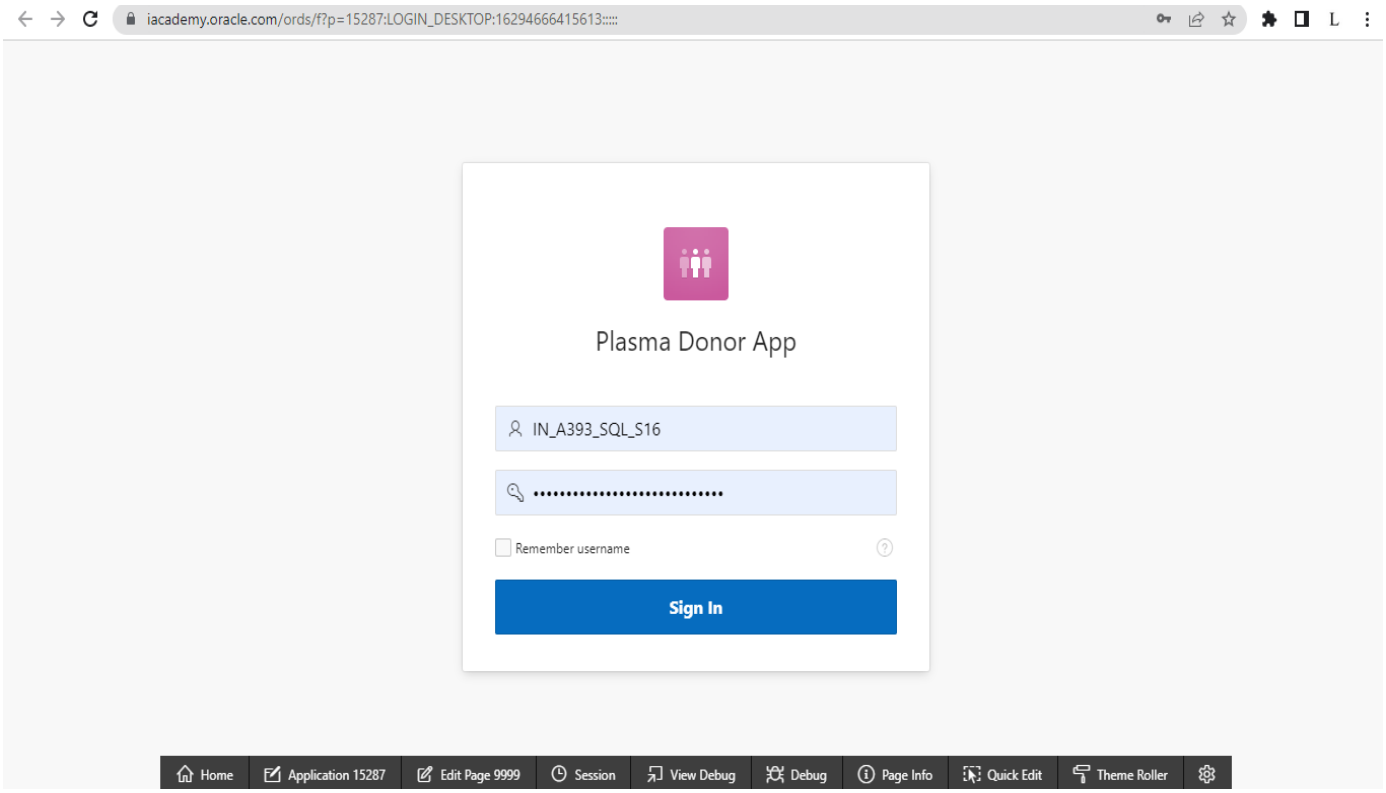
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Plasma Donor App
IN_A393_SQL_S16
Remember username
Sign In
Home
Application 15287
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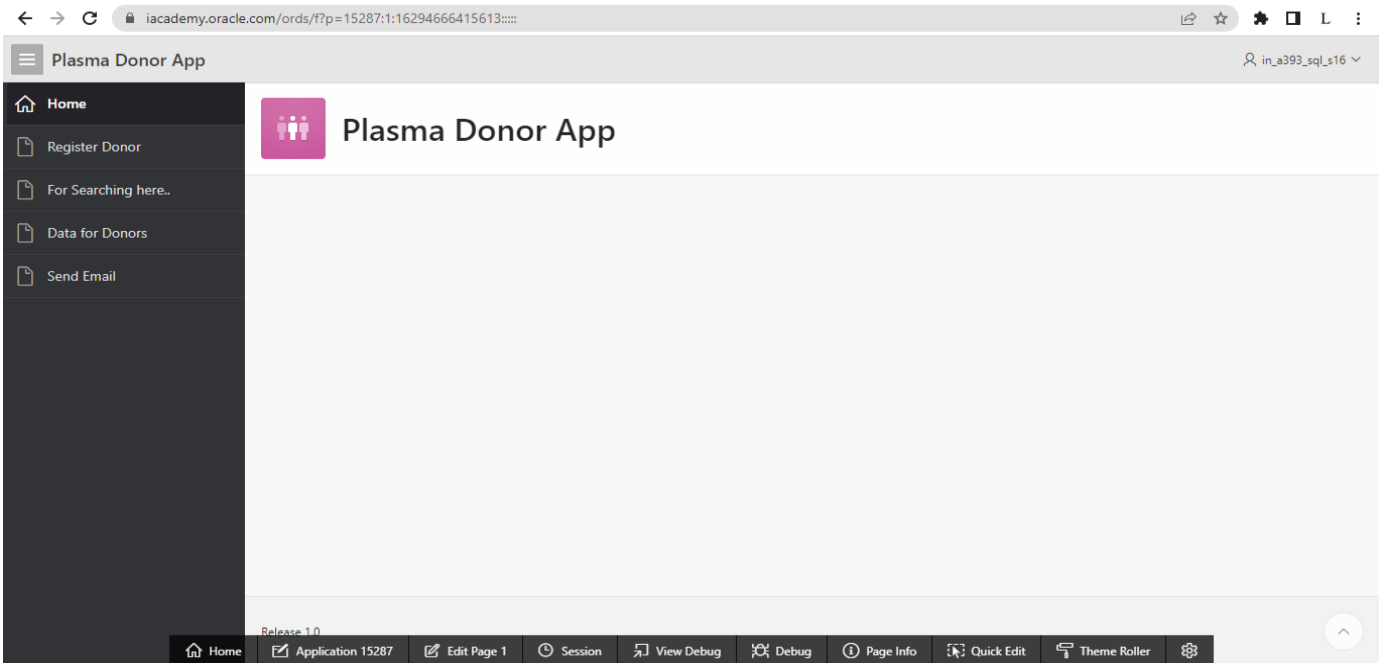
Quick Edit
Theme Roller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Plasma Donor App
in_a393_sql_s16
Home
Register Donor
For Searching here..
Data for Donors
Send Email
Plasma Donor App
Release 1.0
Home
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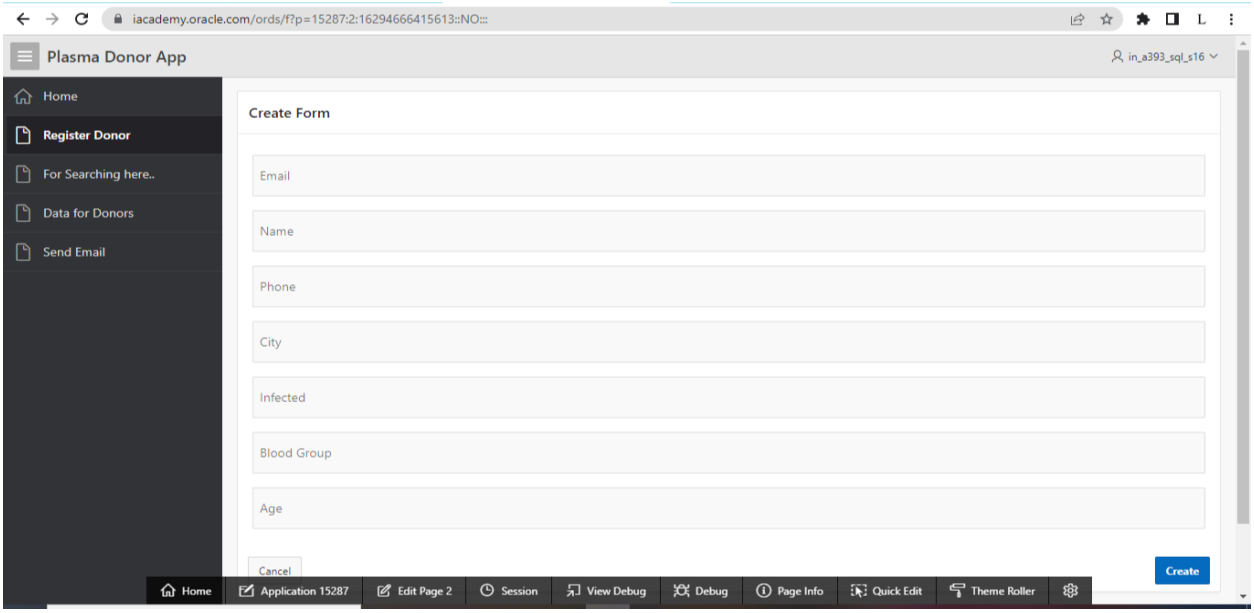
Theme Roller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Plasma Donor App
in_a393_sql_s16
Home
Register Donor
For Searching here..
Data for Donors
Send Email
Create Form
Email
Name
Phone
City
Infected
Blood Group
Age
Cancel
Create
Home
Application 15287
Edit Page 2
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View Debug
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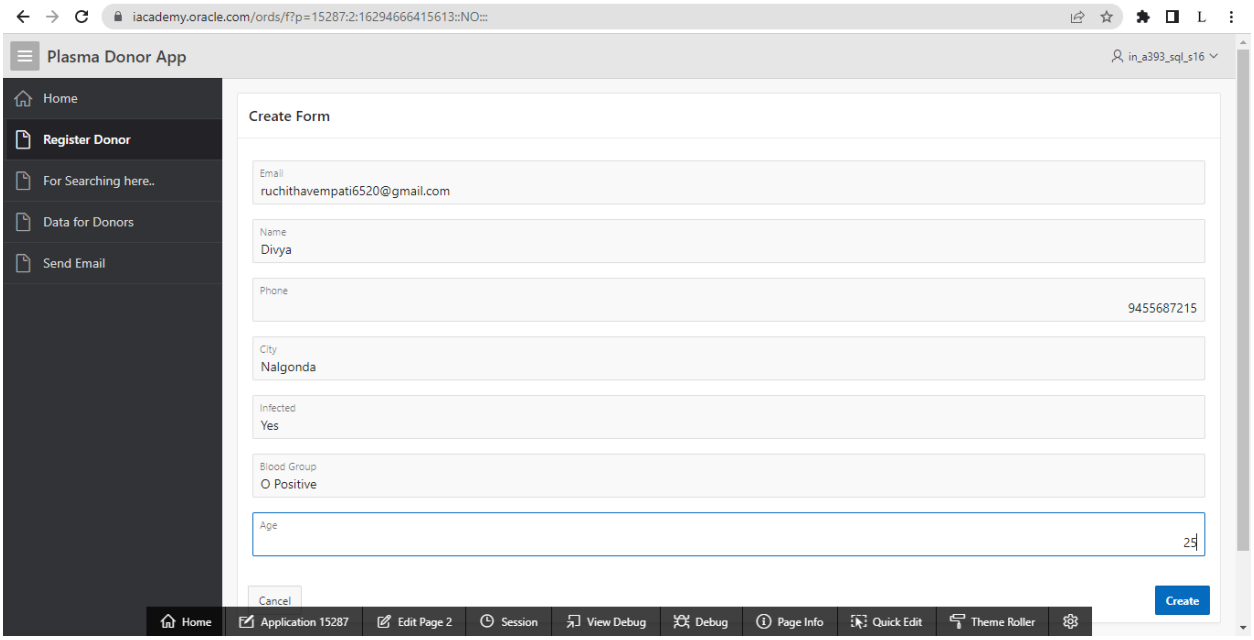
Page Info
Quick Edit
Theme Roller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Plasma Donor App
in_a393_sql_s16
Home
Register Donor
For Searching here..
Data for Donors
Send Email
Create Form
Email
ruchithavempati6520@gmail.com
Name
Divya
Phone
9455687215
City
Nalgonda
Infected
Yes
Blood Group
O Positive
Age
25
Cancel
Create
Home
Application 15287
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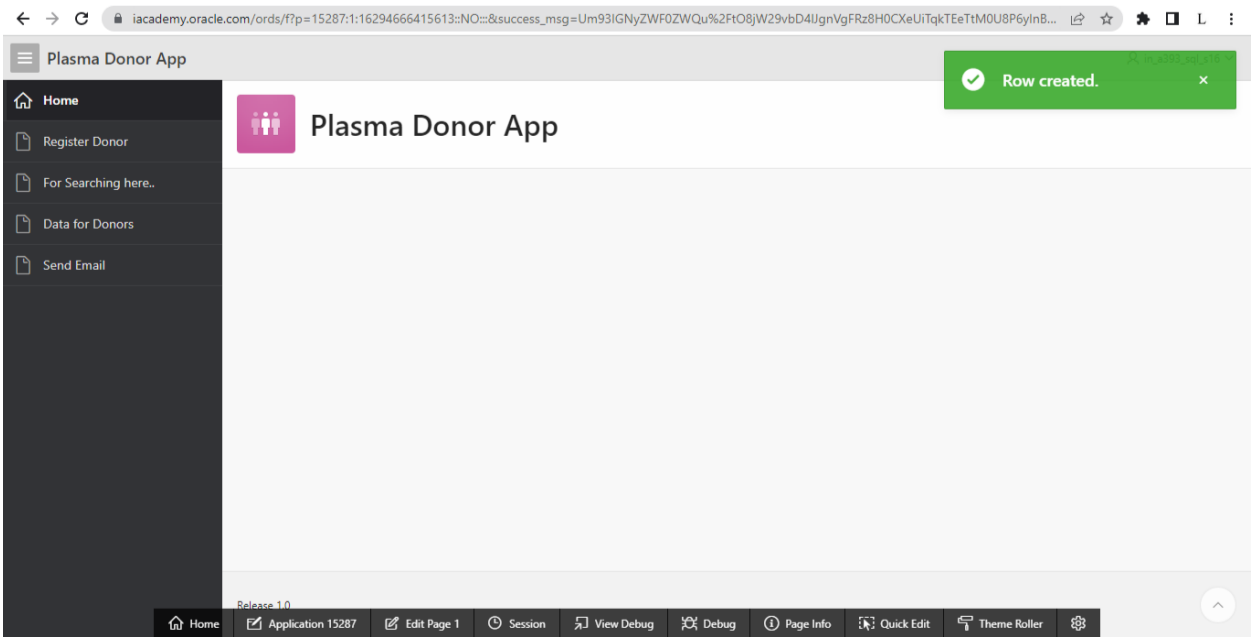
Debug
Page Info
Quick Edit
Theme Roller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Plasma Donor App
Row created.
Home
Register Donor
For Searching here..
Data for Donors
Send Email
Plasma Donor App
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Debug
Page Info
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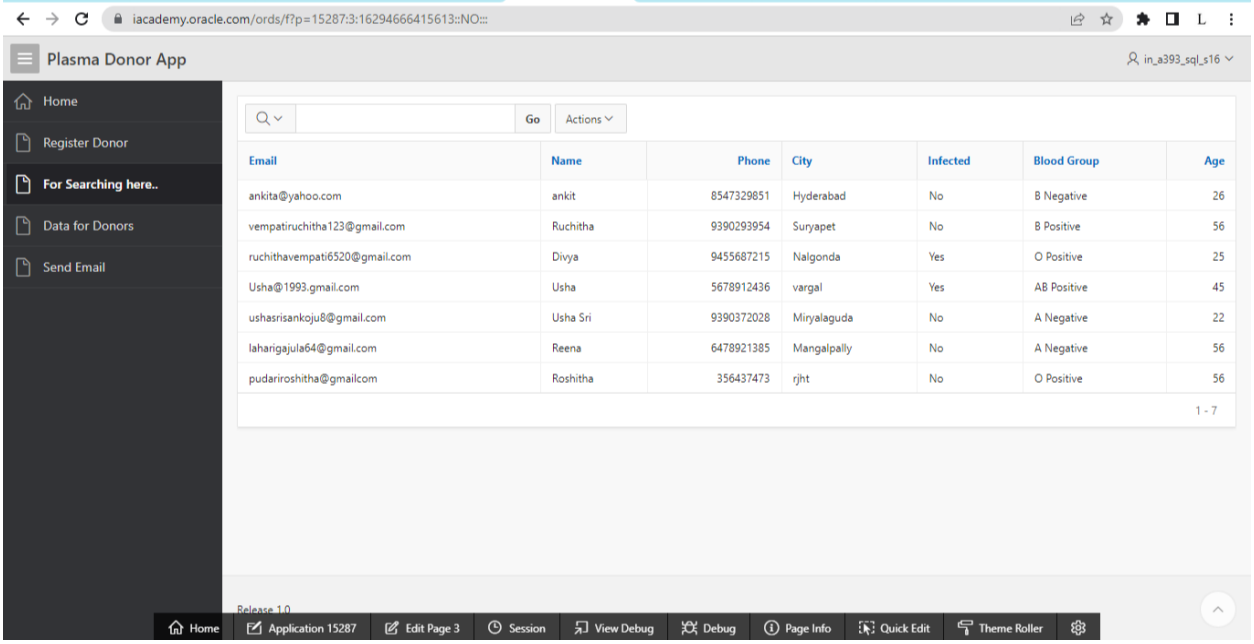
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Plasma Donor App
in_a393_sql_s16
Home
Register Donor
For Searching here..
Data for Donors
Send Email
Go
Actions
Email
Name
Phone
City
Infected
Blood Group
Age
ankita@yahoo.com
ankit
8547329851
Hyderabad
No
B Negative
26
vempatiruchitha123@gmail.com
Ruchitha
9390293954
Suryapet
No
B Positive
56
ruchithavempati6520@gmail.com
Divya
9455687215
Nalgonda
Yes
O Positive
25
Usha@1993.gmail.com
Usha
5678912436
vargal
Yes
AB Positive
45
ushasrisankoju8@gmail.com
Usha Sri
9390372028
Miryalaguda
No
A Negative
22
laharigajula64@gmail.com
Reena
6478921385
Mangalpally
No
A Negative
56
pudariroshitha@gmailcom
Roshitha
356437473
rjht
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1 - 7
Release 1.0
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Page Info
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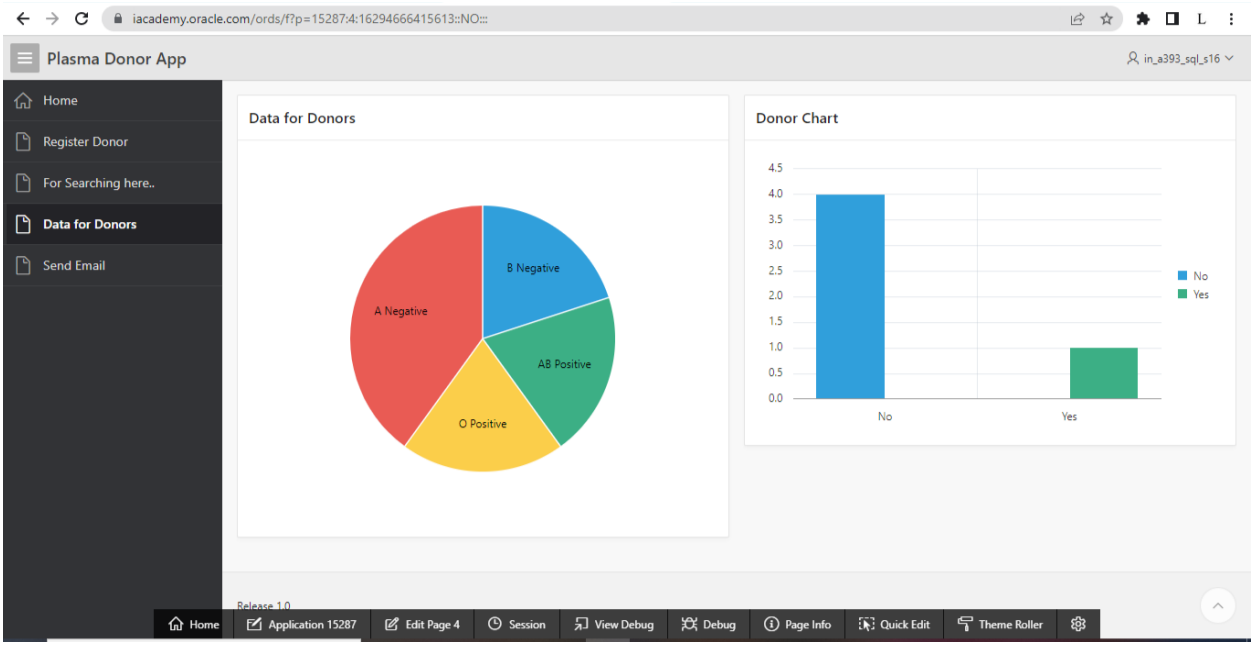
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Plasma Donor App
in_a393_sql_s16
Home
Register Donor
For Searching here..
Data for Donors
Send Email
Data for Donors
B Negative
A Negative
AB Positive
O Positive
Donor Chart
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
No
Yes
No
Yes
Release 1.0
Home
Application 15287
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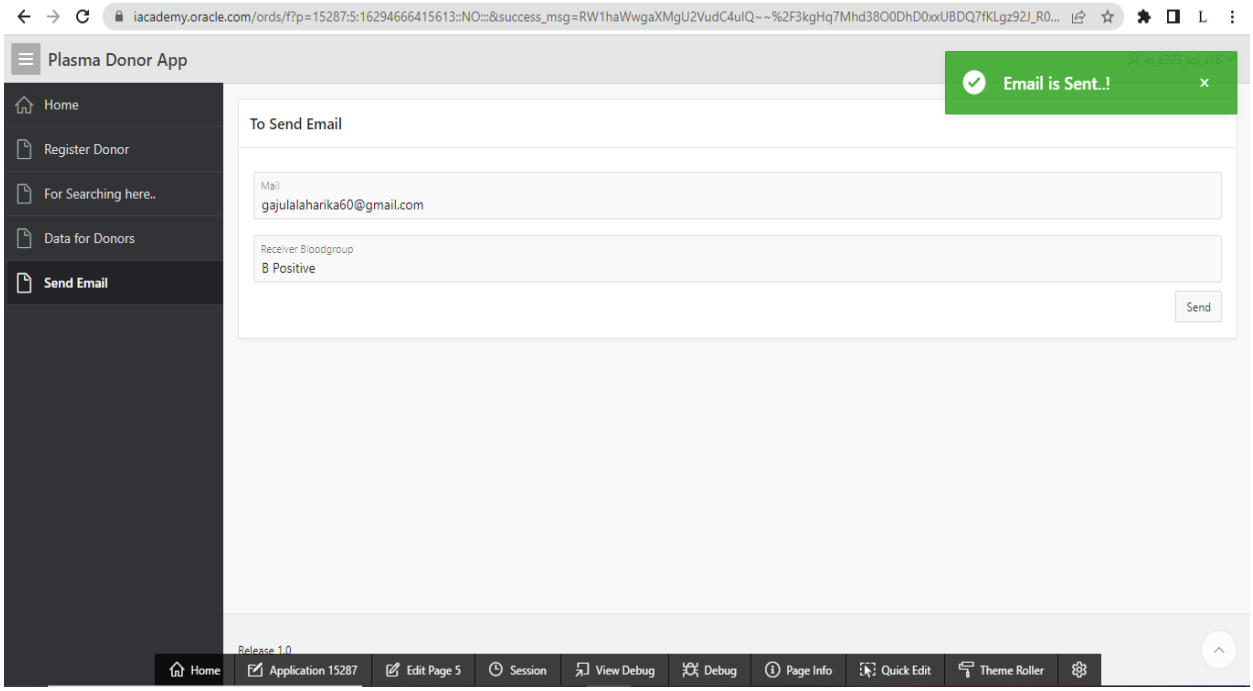
Debug
Page Info
Quick Edit
Theme Roller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Plasma Donor App
Email is Sent..!
Home
Register Donor
For Searching here..
Data for Donors
Send Email
To Send Email
Mail
gajulalaharika60@gmail.com
Receiver Bloodgroup
B Positive
Send
Release 1.0
Home
Application 15287
Edit Page 5
Session
View Debug
Debug
Page Info
Quick Edit
Theme Roller

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

- Availability lookup for different blood groups.
- Hassle free and time saving.
- 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 SC0PE

- 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.

PROJECT URL :

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