

iDonate

Group 1

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OVERVIEW

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- PROBLEM STATEMENT
- LITERATURE SURVEY
- PROPOSED SYSTEM
- FUNCTIONAL REQUIREMENTS
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- REFERENCE

INTRODUCTION

- Many hospitals provide the way to donate organs and blood directly and can supply that to the people who are in need of that.
- Now-a-days many cases are being reported to death because of the unavailability of blood.
- Our project chance to know about the availability of blood and organs in each user modules.
- We have one Admin and 4 users: Donor, Receiver, Hospital, Organization.

PROBLEM STATEMENT

- In the past years, the number of voluntary donors has been increased compared to blood donors that are being paid. Though there is an increase in voluntary blood donor,
- Emergency patients, who are in need of blood, usually request blood through advertising on televisions or social media but it may get lagged.
- With the rapid usage of a smartphone with series of features and faster computation process blood bank search activity can be integrated on the mobile phones.

LITERATURE SURVEY

NHS organ donation and NHS blood and transplants

- These are two websites for organ donation and blood donation respectively under the same organisation.
- They manage blood and platelet donation, and organ, stem cell and tissue donation and transplantation.

LITERATURE SURVEY

HRSA - [organdonar.gov](https://organdonor.gov)

- An organ donation management website under Health resource and service administration. Organs ,Corneas ,Tissues , Hands and Face ,Blood Stem Cells, Cord Blood, and Bone Marrow , Blood and transplants are donated using these sites.
- There also exists android apps like Organ Donation (Life after death), Friends to support, Blood donation etc under certain hospitals.
- But these apps won't allow the needed ones to register in these apps. Only the donars can register and the hospital authority will provide the organs to the patients consulting there hospitals only.

LITERATURE SURVEY

HRSA - organdonar.gov(contd..)

- And also no app provides both blood and organ donation management scheme together. Either blood nor organs are only considered.
- Organ donar is a website under health resource and service administration but this site also provides only the donar to register.

LITERATURE SURVEY

e-Rakt Kosh

- e-RaktKosh: A Centralized Blood Bank Management System eRaktKosh was Inaugurated on 7th April 2016 by Hon'ble Minister of Health and Family Welfare, Sh. J P Nadda.
- e-Rakt Kosh enforces Drug Cosmetic Act, National blood policy standards and guidelines ensuring proper collection donation, effective management and monitoring the quality and quantity of the donated blood.

LITERATURE SURVEY

e-Rakt Kosh-Objectives

- Safe and Adequate Blood Supplies
- Reduced Turnaround Time
- Restrict Professional Donors
- Networking of Blood Banks
- Donor Repository
- Web Based Application
- Aadhar Linkage

LITERATURE SURVEY

www.notto.nic.in

- A website by the name www.notto.nic.in has been hosted where information with regards to the organ transplantation can be obtained.
- An online system through website is being developed for establishing network for Removal and Storage of Organs and Tissues from deceased donors and their allocation and distribution in a transparent manner.
- A computerized system of State/Regional and National Registry of donors and recipients is also going to be put in place.

LITERATURE SURVEY

U-Blood

Features of U-Blood:

- Geo-Search With the geo-search feature, finding blood donors has become easier than ever. Enter your location and you will be shown the donors available in the closest proximity
- Real-time Connect: No delays in receiving blood anymore. Connect with donors and recipients in real-time
- Notifications: Get updates on blood requests so that you are informed the moment a donor is available or a request is made

LITERATURE SURVEY

| EXISTING SITES AND APPS | ADVANTAGES | DISADVANTAGES |
|---|--|---|
| NHS organ donation and NHS blood and transplants | They manage blood and platelet donation, and organ, stem cell and tissue donation and transplantation. | Different websites for organ and blood donation. |
| HRSA - organdonor.gov | Organs , Corneas ,Tissues , Hands and Face ,Blood Stem Cells, Cord Blood, and Bone Marrow , Blood and transplants are donated using these sites. | Only the donors can register and the hospital authority will provide the organs to the patients consulting there hospitals only. |
| e-Rakt Kosh | Ensures proper collection & donation, effective management and monitoring the quality and quantity of the donated blood. | High maintenance cost and not user-friendly. |
| www.notto.nic.in | Reducing turnaround time, networking of blood banks and donor repository | Backlog of entries-Inadequate staffing result in one person only entering donor features while the entry regarding issue of the blood is not done for weeks. This also result in mismatch between online data and in-house availability of blood product as they do not match in real time. |
| U-Blood | No delays in receiving blood since the donors available in the closest proximity finds using location access. | Security issues and not efficient |

PROPOSED SYSTEM

- A Web-Based Application to Connect Blood and organ donators and Blood and organ Seekers.
- Platform that connects Donors, Receivers, Hospitals and Organizations.
- Since the availability of blood and organs are shown in a single website, it will be easy to connect the needed ones and helps to save their lives.
- QuickAccess module is also provided for emergency purpose.

FUNCTIONAL REQUIREMENTS

Admin Login

- Admin can login to admin dashboard using username & password.

Admin dashboard

- Admin can view all profiles.
- Admin can validate each users by viewing their identity details.
- Admin can accept or reject the requests.

FUNCTIONAL REQUIREMENTS

Donor Login

- Donor can login to the Donor dashboard using username & password.

Donor Dashboard

- Can view their profile, identity and contact details.
- Donor dashboard shows the Notifications and sent requests.
- Donor can send request to any of the receiver, hospitals and organizations.

Donor signup

- Donor can sign Up using username, Mail id & password.
- Sign In to the donor registration.
- Donor can enter the required details.
- If admin accepts the request, can login to the donor dashboard.
- If admin reject the request, returns back to the homepage.

FUNCTIONAL REQUIREMENTS

Receiver Login

- Receiver can login to the Receiver dashboard using username & password.

Receiver dashboard

- Can view their profile, identity and contact details.
- Receiver dashboard shows the Notifications and sent requests.
- Receiver can send request to any of the donor, Organizations and hospitals.

Receiver signup

- Receiver can sign Up using username, Mail id & password.
- Sign In to the Receiver registration.
- Can enter the required Receiver details.
- If admin accepts the request, can login to the Receiver dashboard.
- If admin reject the request, returns back to the homepage.

FUNCTIONAL REQUIREMENTS

Organization Login

- Organization can login to organization dashboard using username & password.

Organization dashboard

- Can view their profile, identity and contact details.
- Organization dashboard shows the Notifications and sent requests.
- Organization can send request to any of the receiver, donor and hospitals.

Organization signup

- Organization can sign Up using username, Mail id & password.
- Sign In to the Organization registration.
- Can enter the required organization details.
- If admin accepts the request, can login to the organization dashboard.
- If admin reject the request, returns back to the homepage.

FUNCTIONAL REQUIREMENTS

Hospital Login

- Hospital can login to Hospital dashboard using username & password.

Hospital dashboard

- Can view their profile, identity and contact details.
- Hospital dashboard shows the Notifications and sent requests.
- Hospital can send request to any of the receiver, donor and organization.

Hospital signup

- Hospital can sign Up using username, Mail id & password.
- Sign In to the Hospital registration.
- Can enter the required Hospital details.
- If admin accepts the request, can login to the hospital dashboard.
- If admin reject the request, returns back to the homepage.

TOOLS AND LANGUAGES

Platform

- VS code.

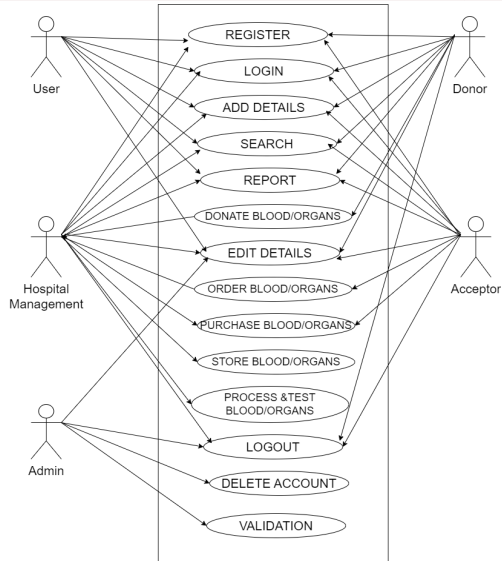
Languages-Front end

- HTML
- CSS
- JavaScript

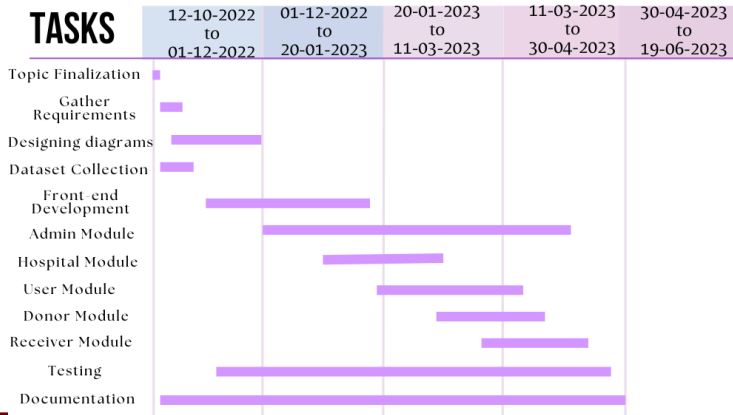
Languages-Back end

- Django
- Python
- SQLite3

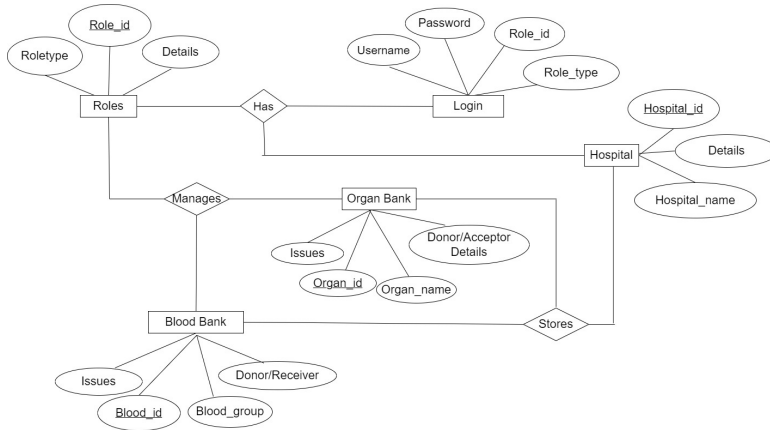
USECASE DIAGRAM



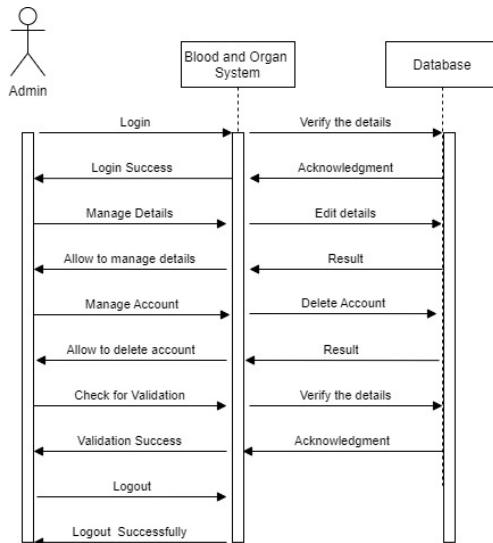
GANTT CHART



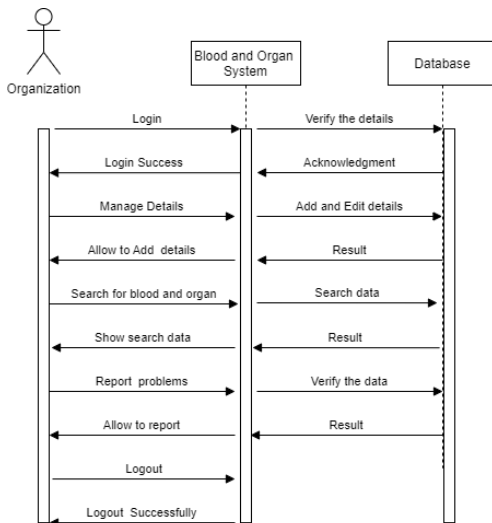
ER-DIAGRAM



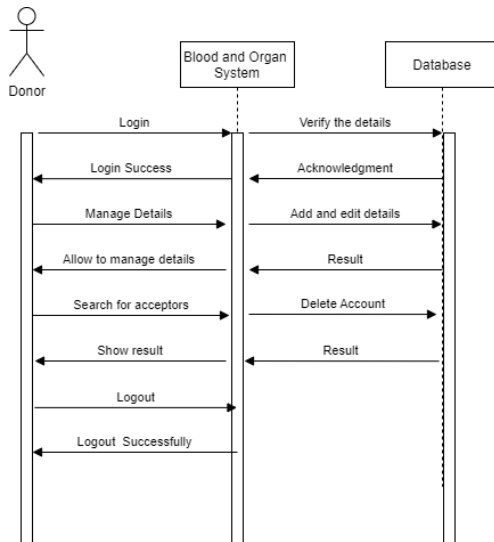
SEQUENCE DIAGRAM-Admin



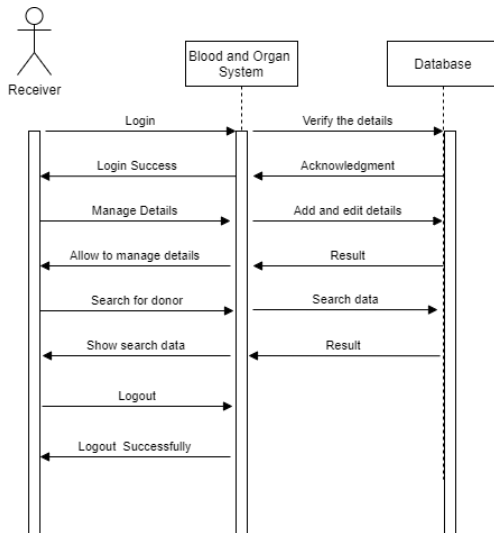
SEQUENCE DIAGRAM-Organization



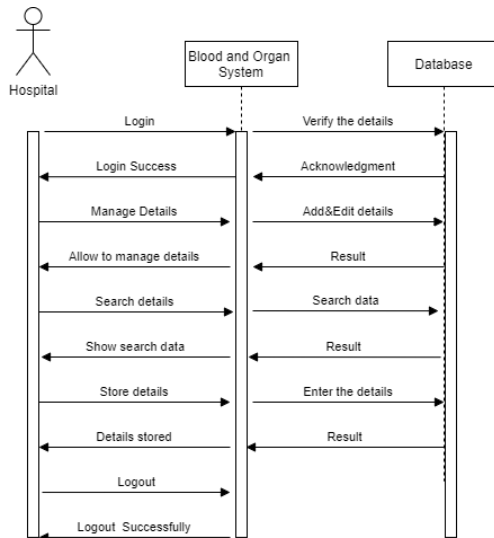
SEQUENCE DIAGRAM-Donor



SEQUENCE DIAGRAM-Receiver



SEQUENCE DIAGRAM-Hospital



DATA FLOW DIAGRAM

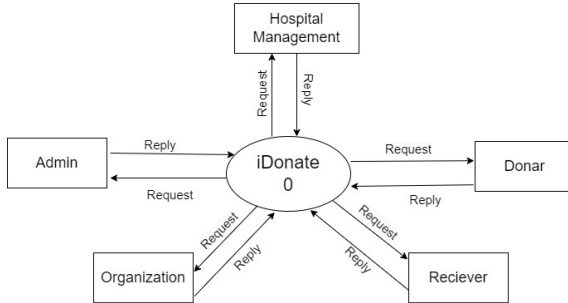


Figure: Level 0

DATA FLOW DIAGRAM

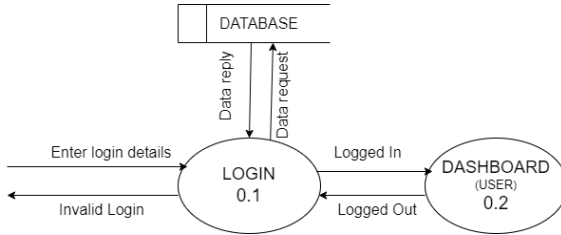


Figure: Level 1 (Admin)

DATA FLOW DIAGRAM

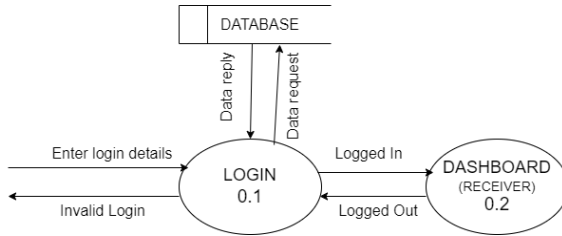


Figure: Level 1 (Receiver)

DATA FLOW DIAGRAM

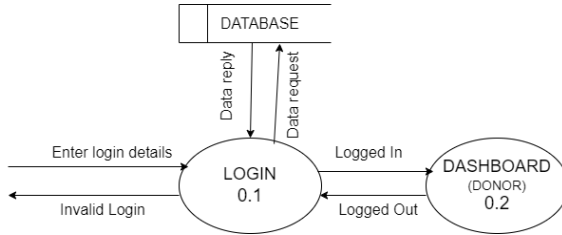


Figure: Level 1 (Donor)

DATA FLOW DIAGRAM

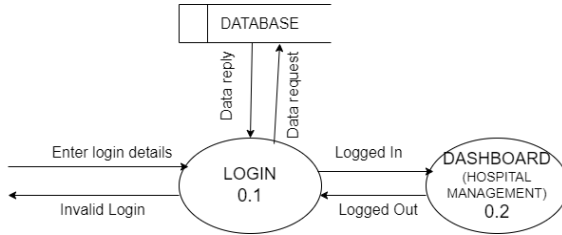


Figure: Level 1 (Hospital Management)

DATA FLOW DIAGRAM

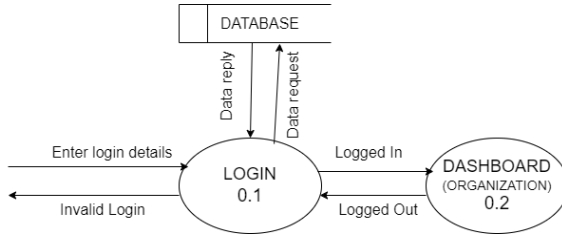


Figure: Level 1 (Organization)

DATA FLOW DIAGRAM

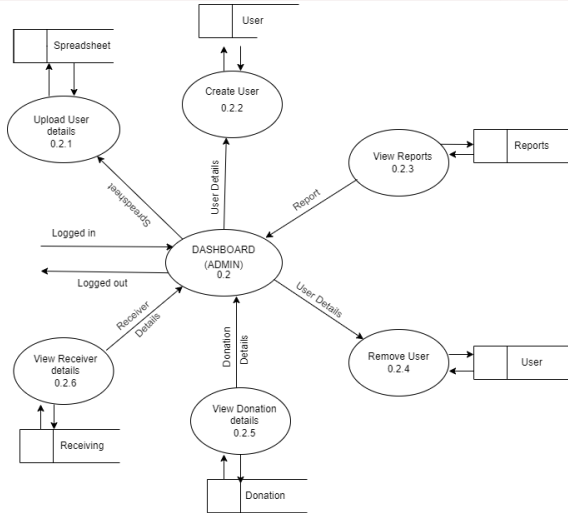


Figure: Level 2 (Admin)

DATA FLOW DIAGRAM

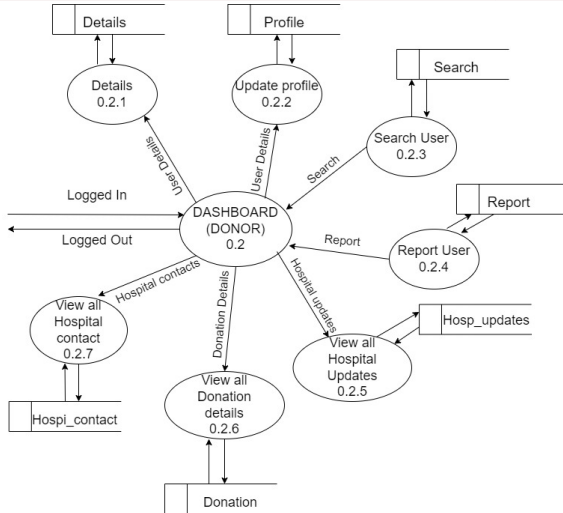


Figure: Level 2 (Donor)

DATA FLOW DIAGRAM

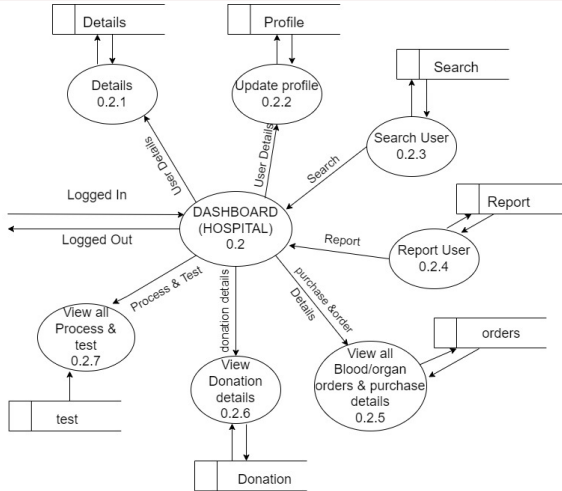


Figure: Level 2 (Hospital Management)

DATA FLOW DIAGRAM

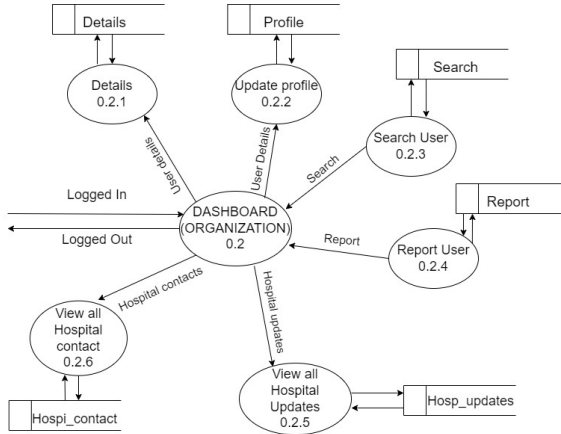


Figure: Level 2 (Organization)

DATA FLOW DIAGRAM

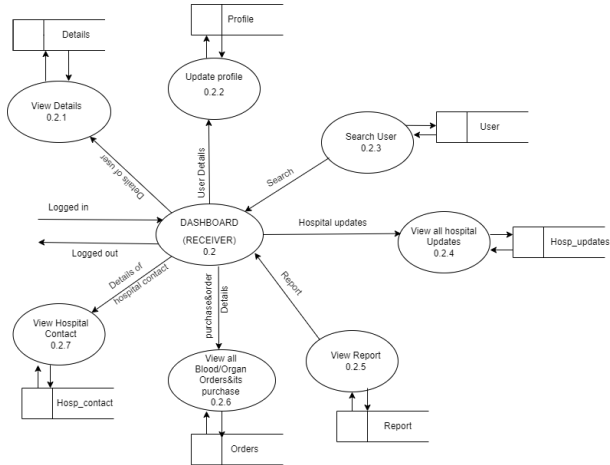


Figure: Level 2 (Receiver)

UI DIAGRAMS

Login

Don't Have an account? [Create your account](#)



Enter Username



Enter Password

[Forgot Password?](#)


Login


UI DIAGRAMS

Register

Don't Have an account? [Create your account](#)

 Enter Name of User

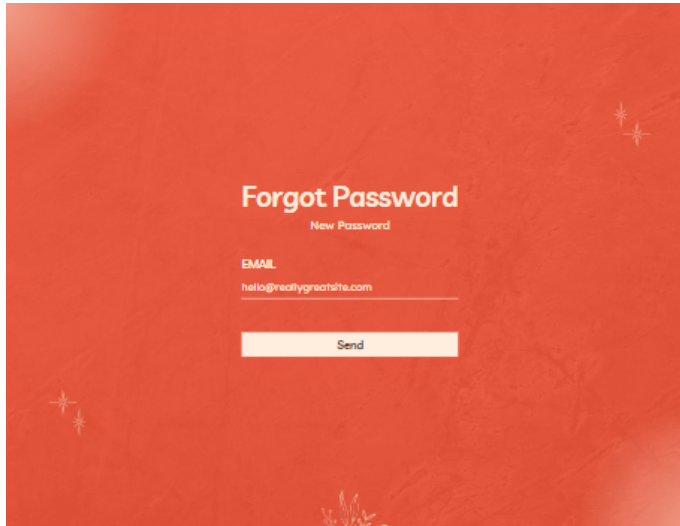
 Enter Email Address

 Enter Username

 Enter Password

Register

UI DIAGRAMS



Forgot Password

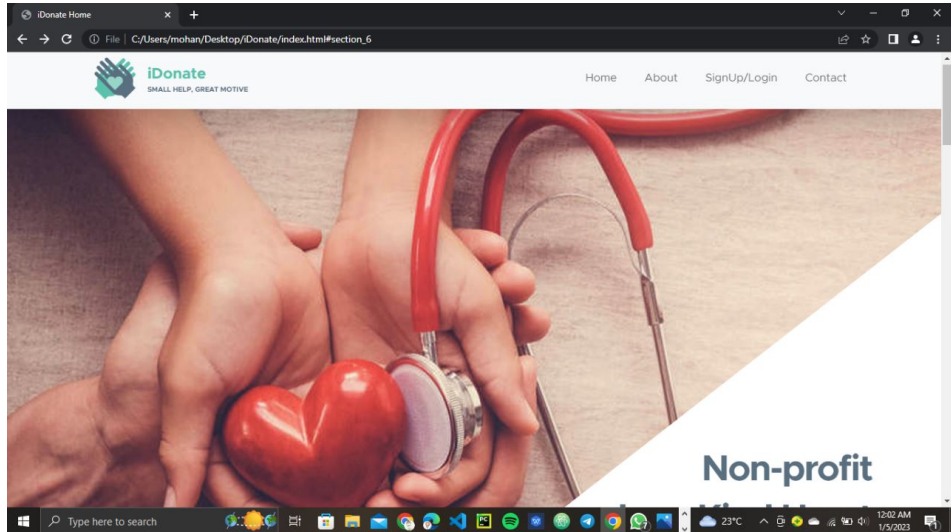
New Password

EMAIL

hello@realtygreatsite.com

Send

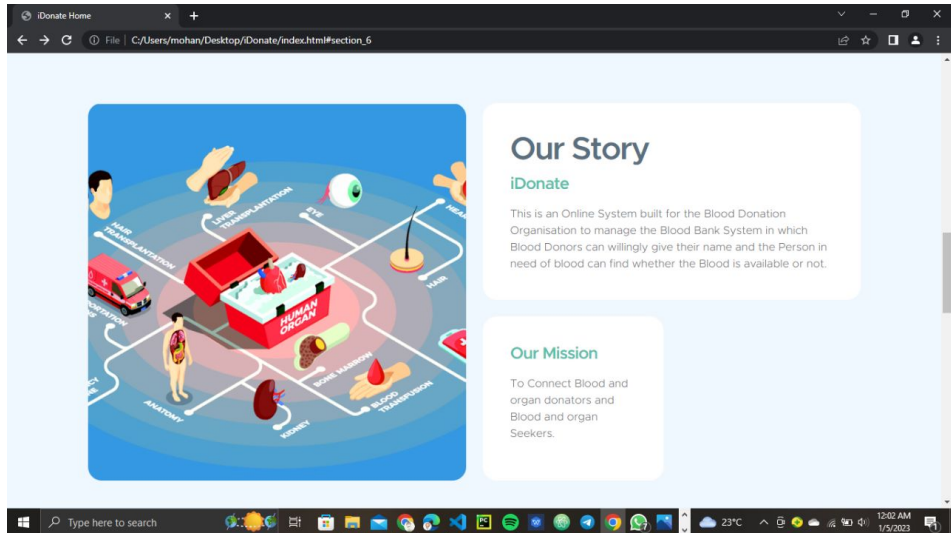
UI DESIGNS



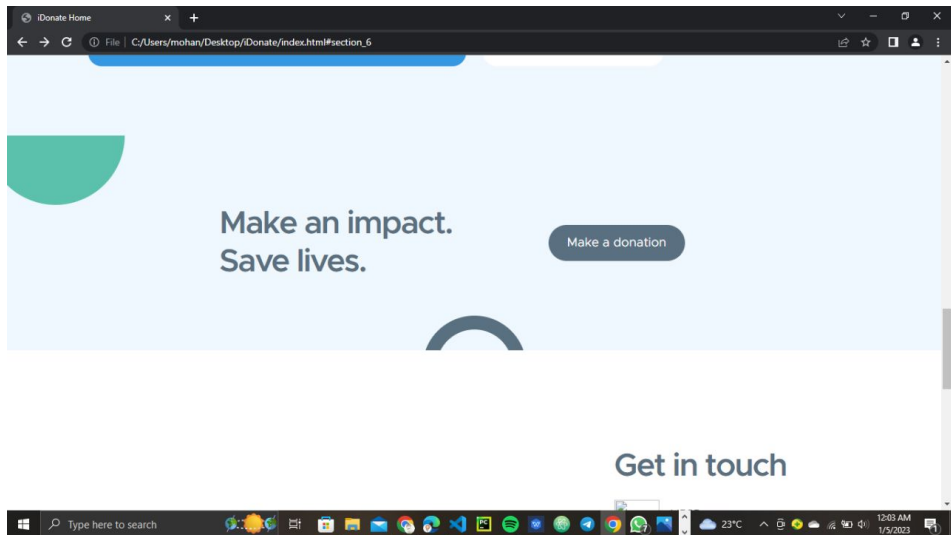
UI DESIGNS



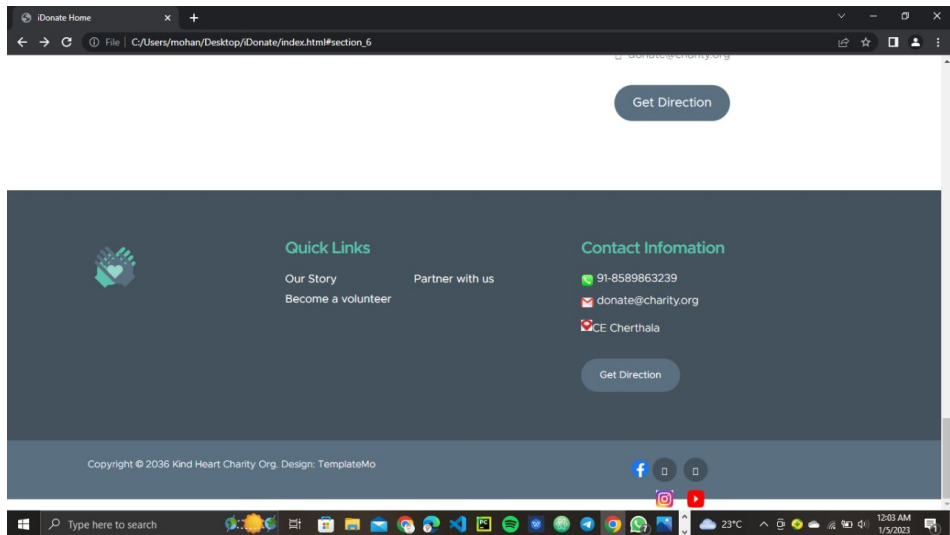
UI DESIGNS



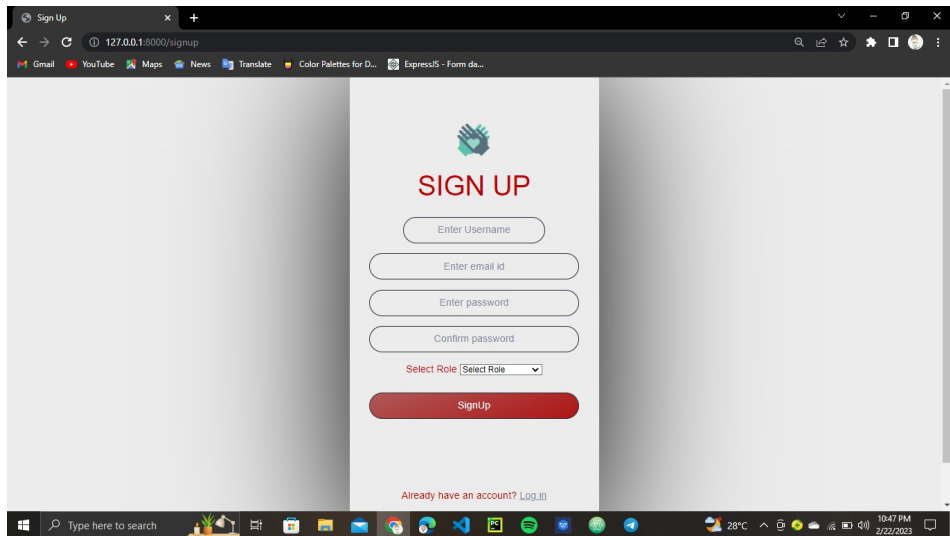
UI DESIGNS



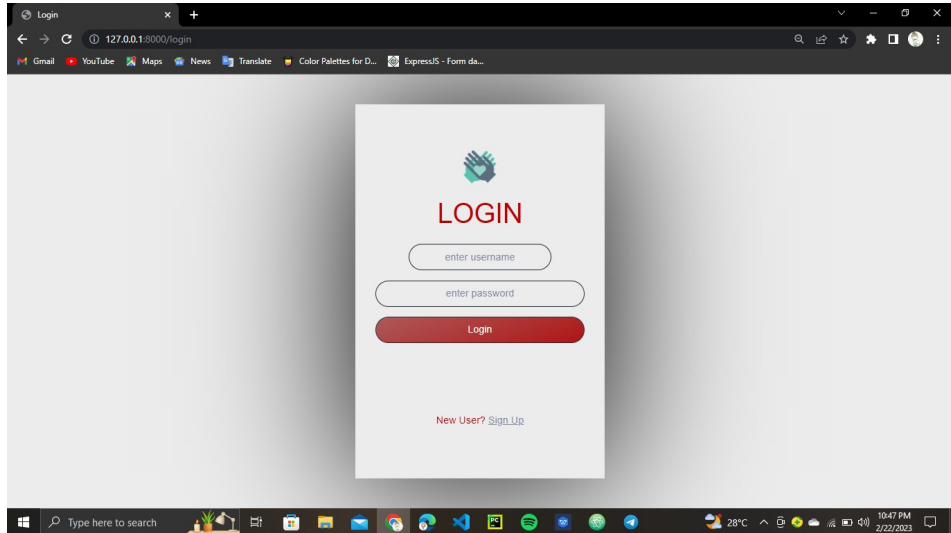
UI DESIGNS



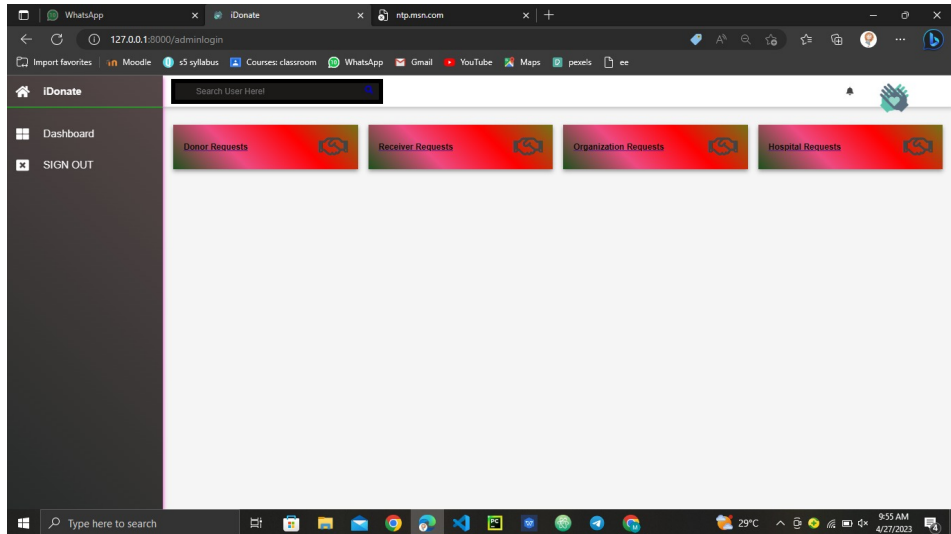
UI DESIGNS



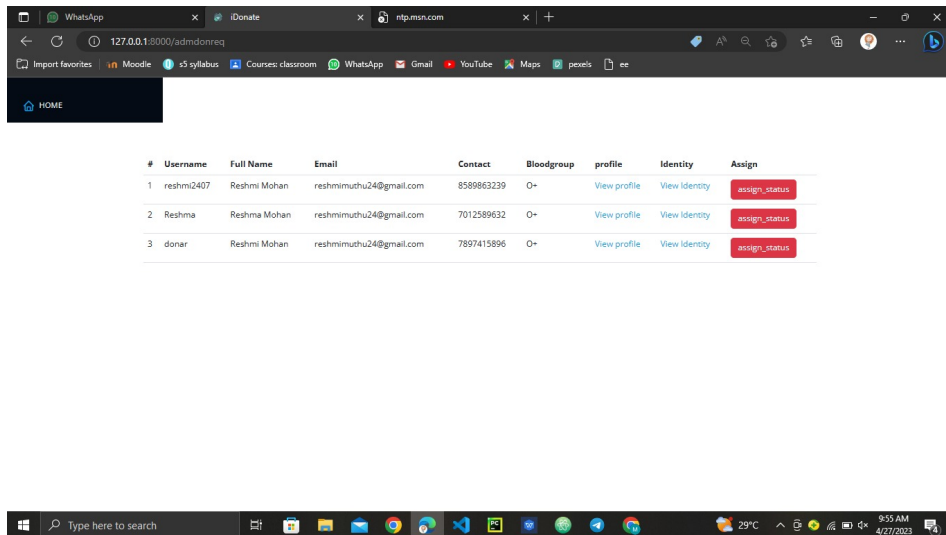
UI DESIGNS



ADMIN DASHBOARD



ADMIN PERMISSION



HOME

| # | Username | Full Name | Email | Contact | Bloodgroup | profile | Identity | Assign |
|---|------------|--------------|-------------------------|------------|------------|------------------------------|-------------------------------|-------------------------------|
| 1 | reshmi2407 | Reshmi Mohan | reshmimuthu24@gmail.com | 8589863239 | O+ | View profile | View Identity | assign_status |
| 2 | Reshma | Reshma Mohan | reshmimuthu24@gmail.com | 7012589632 | O+ | View profile | View Identity | assign_status |
| 3 | donar | Reshmi Mohan | reshmimuthu24@gmail.com | 7897415896 | O+ | View profile | View Identity | assign_status |

DONOR DASHBOARD

iDonate

Search User Here

5 Matches

1 Interest Sent

8 Received Interests

2 Declined Interests

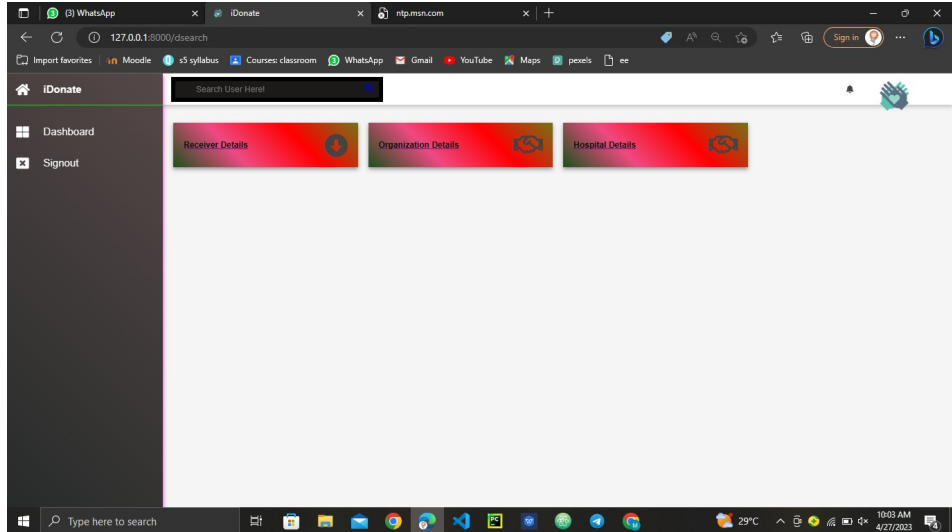
Recent Matches [View All](#)

| Name | Age | Blood/Organ | Blood Group | View/Edit |
|-------|-----|-------------|-------------|--|
| Ajay | 26 | Blood | O+ | View Edit Delete |
| Gokul | 39 | Liver | O+ | View Edit Delete |
| Deepa | 29 | Blood | O+ | View Edit Delete |

Suggested Matches [View All](#)

| Photo | Name | Age | Detail |
|-------|------|-----|----------------------|
| | A | 1 | View |
| | B | 2 | View |
| | C | 3 | View |
| | D | 4 | View |

DONOR-SEARCH

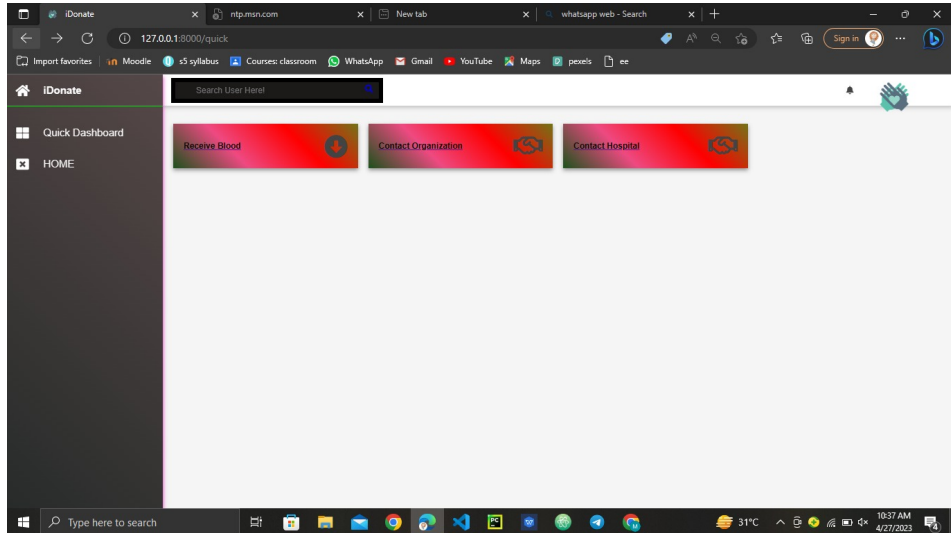


DONOR-HOSPITAL DETAILS

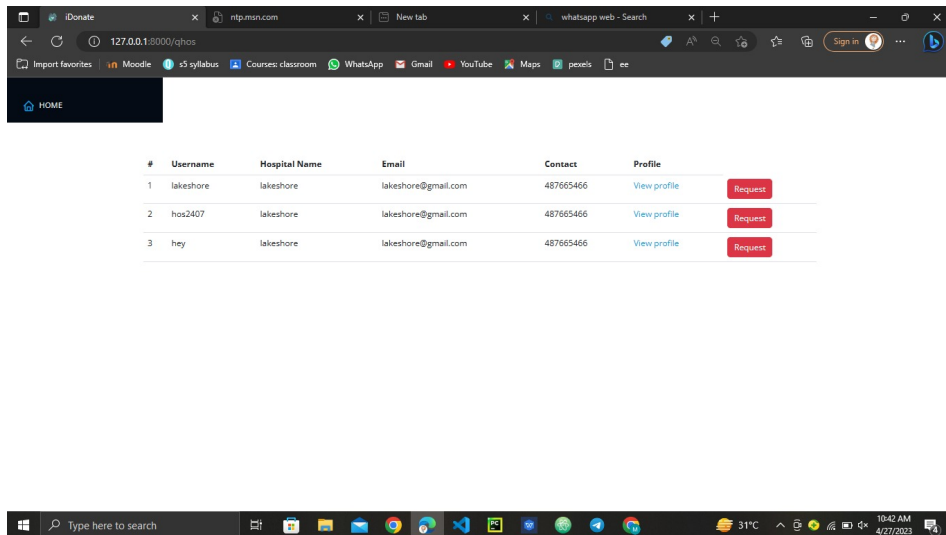
HOME

| # | Username | Hospital Name | Email | Contact | Profile | |
|---|-----------|---------------|---------------------|-----------|------------------------------|-------------------------|
| 1 | lakeshore | lakeshore | lakeshore@gmail.com | 487665466 | View profile | Request |
| 2 | hos2407 | lakeshore | lakeshore@gmail.com | 487665466 | View profile | Request |
| 3 | hey | lakeshore | lakeshore@gmail.com | 487665466 | View profile | Request |

QUICK ACCESS



QUICK ACCESS



| # | Username | Hospital Name | Email | Contact | Profile | |
|---|-----------|---------------|---------------------|-----------|------------------------------|-------------------------|
| 1 | lakeshore | lakeshore | lakeshore@gmail.com | 487665466 | View profile | Request |
| 2 | hos2407 | lakeshore | lakeshore@gmail.com | 487665466 | View profile | Request |
| 3 | hey | lakeshore | lakeshore@gmail.com | 487665466 | View profile | Request |

OVERALL PERCENTAGE

- ADMIN : 12%
- DONOR : 22%
- RECEIVER :22 %
- ORGANIZATION : 22%
- HOSPITAL:22 %

OVERALL PERCENTAGE ACQUIRED

| MODULE | COMPLETION PERCENTAGE | AQUIRED PERCENTAGE |
|-------------------------------|-----------------------|--------------------|
| ADMIN | 100% | 12% |
| DONOR | 100% | 22% |
| RECEIVER | 100% | 22% |
| ORGANIZATION | 100% | 22% |
| HOSPITAL | 100% | 22% |
| OVERALL PERCENTAGE COMPLETION | | 100% |

TEAM CONTRIBUTION

| MODULE | CONTRIBUTORS | AQUIRED PERCENTAGE |
|--------------|---------------------------------|--------------------|
| ADMIN | RESHMI MOHAN MANJUSHA K | 100% |
| DONOR | RESHMI MOHAN SREELEKSHMI CJ | 100% |
| RECEIVER | SREELEKSHMI CJ DEVIKA M NATH | 100% |
| ORGANIZATION | MANJUSHA K SREELEKSHMI CJ | 100% |
| HOSPITAL | DEVIKA M NATH RESHMI MOHAN | 100% |

GitHub LINK

- MANJUSHA K :- <https://github.com/Manjushakmadhavan>
- RESHMI MOHAN :- <https://github.com/reshmi2407>
- SREELEKSHMI CJ :- <https://github.com/Sreelekshmicj>
- DEVIKA M NATH :- <https://github.com/Devika0332>

CONCLUSION

- Due to the frequent happening of accidents a donation site is required.
- Our project literally satisfy the need of blood organs and organ receivers through many donor.
- So this may help in any emergency through quick access.
- Also helps the medical system to yield up their profession.
- So a web application is essential to overcome the disadvantages of deficiency of blood or organs in the needed time.

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- 6. Nikita M. Lunawat, Chetan D. Kshirsagar, Ashish A. Gawhande, Rohini M. Rathod, Apurva D. Thool, Shrika C. Chuwble " Blood And Organ For Patient Using Android Application"[IJRET] May 6.

*Thank You
for Listening.*