A Mini – project report

FindTheDonor

School of computer Science an Engineering

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Course Name : Software Quality and Reliability (CSE3019)

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Slot : D + TD
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- **19MIS7092 – G.Likhitha**
- **18MIS7034 – Dasari.Lavanya**

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Abstract

First Step of our project objective is to handle donations and connect the donators with the nearest/appropriate needy person through a social web application. The application handlesdifferent services such as the reviews of the searched needy person and displays their contactsand their location

The application allows users to create a profile for themselves and the information about a certain family that needs help. This profile will be shown to donators who are looking for someone to donate to. Mainly only information is exchanged. The donators are able to post/seereviews about other people's profiles.

Introduction

This application allows their users to search based on their location for the nearest people in need according to the type of help they could provide.
On the other hand, it also allows otherpeople to share information about their needs and ask for help in a modern and less embarrassing way.
This software will make it easier for anyone to donate anything they want in a simple wayand the least troubling way, because it shows the nearest possible people who need help.
Some might ask, if a person is actually in need, they won't have access to the modern technologies.

Problem Statement

Toady many people loosing their lives, due to lack of organ donation.Many

people facing problem to find organs or donor. To avoid this situation we have developed this project “FindTheDonor”, where the user can find the donor easily and can save their lives.

Study of the System

The application is designed by using CSS for styling and we used PHP which is a server side programming that enables the creation of web based applications. The front end was designed using CSS and the backend was MySQL.

Scope and Objective

1) The specification builds on the experience of users of IT technology in organ transfusion that is currently available and informs both connecting for health and commercial companies producing both hardware and software

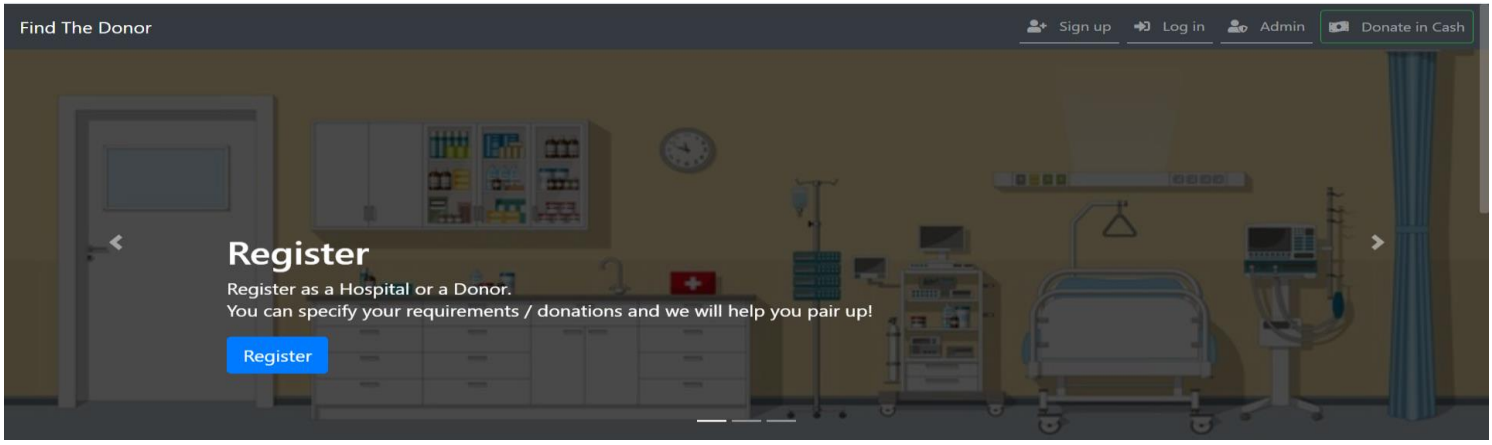
2) The main objective of this specification is to support the automated tracking of organ products from the initial ordering of organ transfusion for a patient

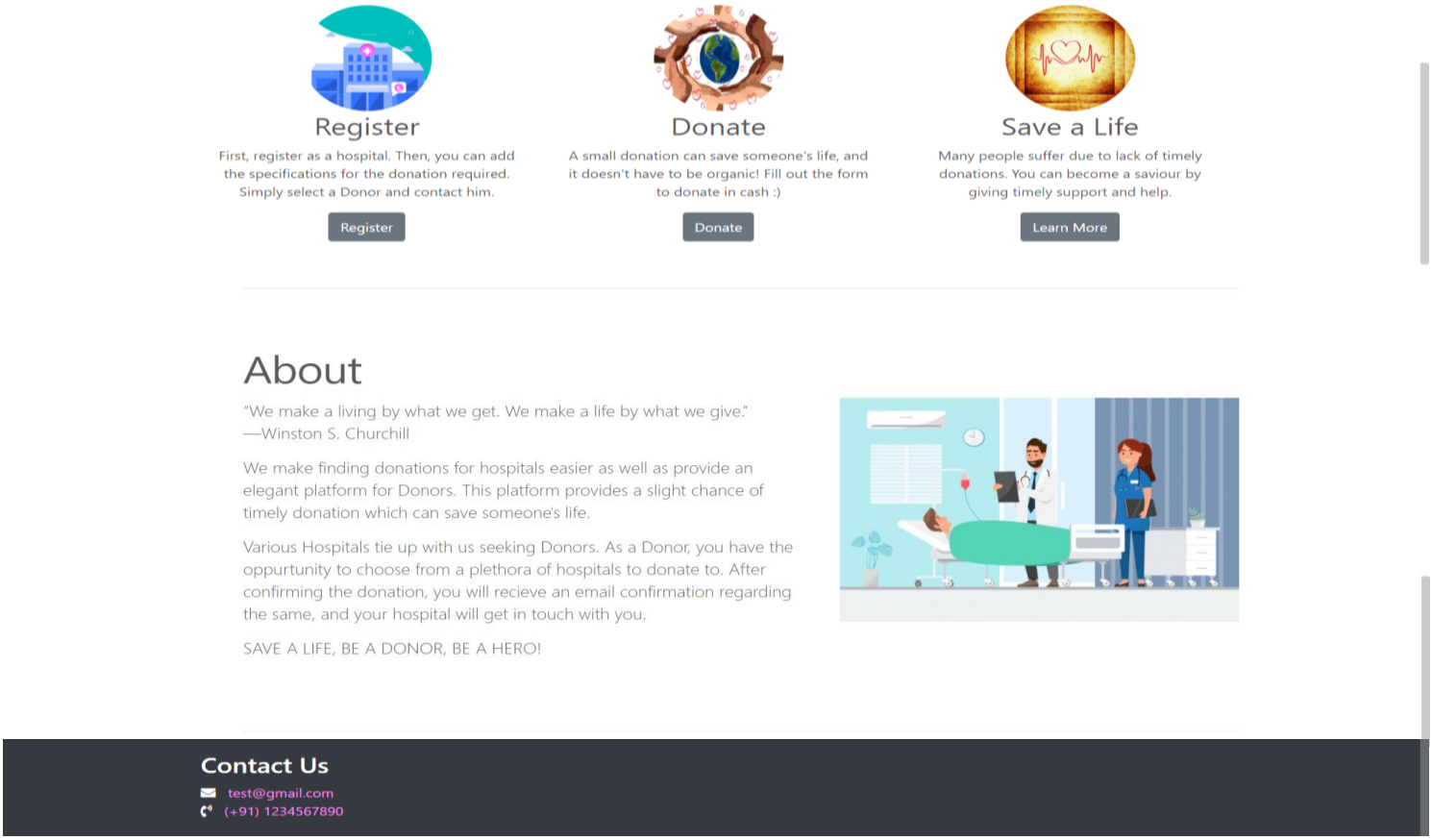
3) The scope of the specification includes the scenarios :
   a. Organ transfusion
   b. Emergency issue of organ

Modules Identified

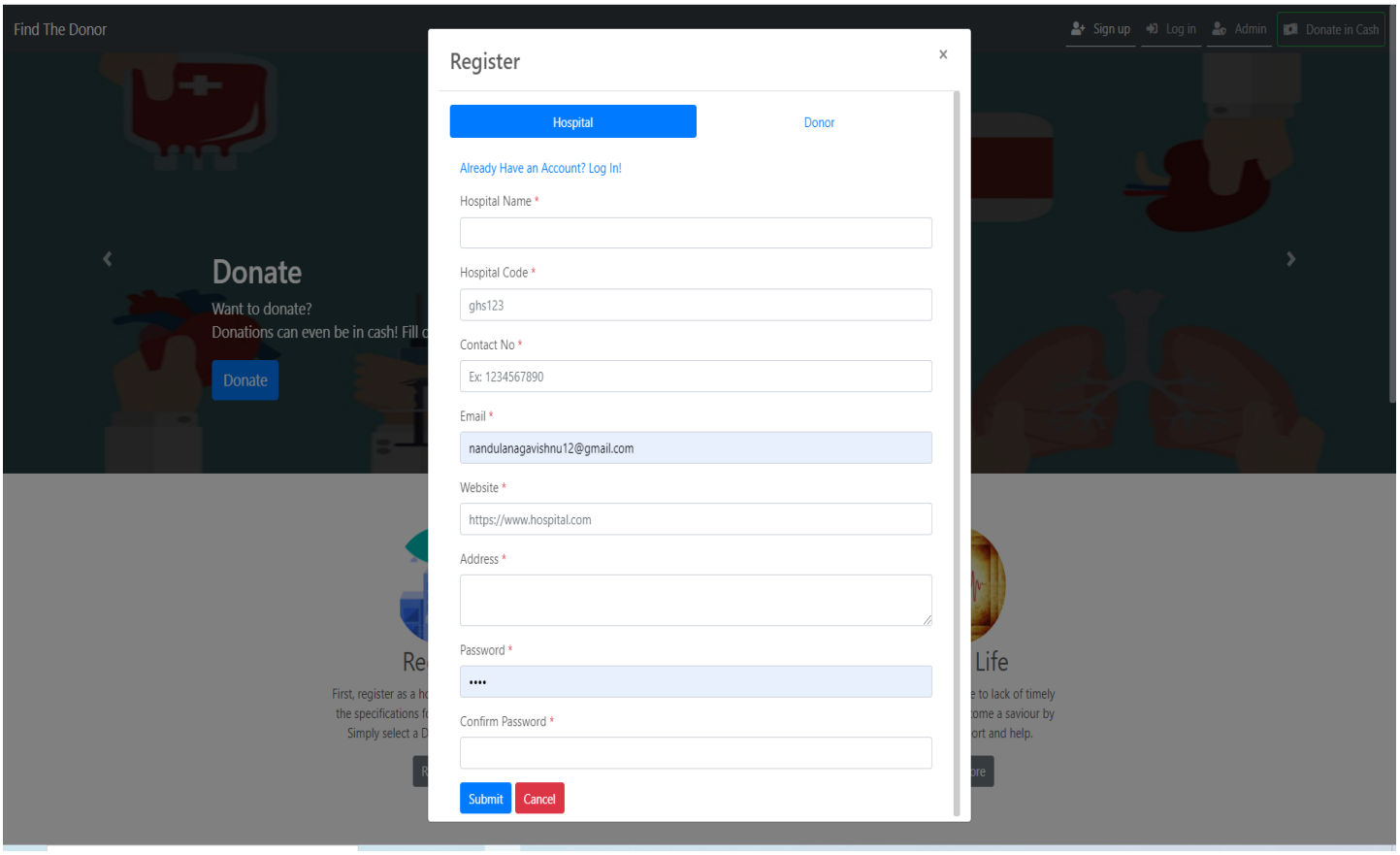
1. User module
2. Registration Module
3. Filter Module
4. Donor module
5. Database
6. Know about page
7. Hospital module
8. admin pannel

Test Cases

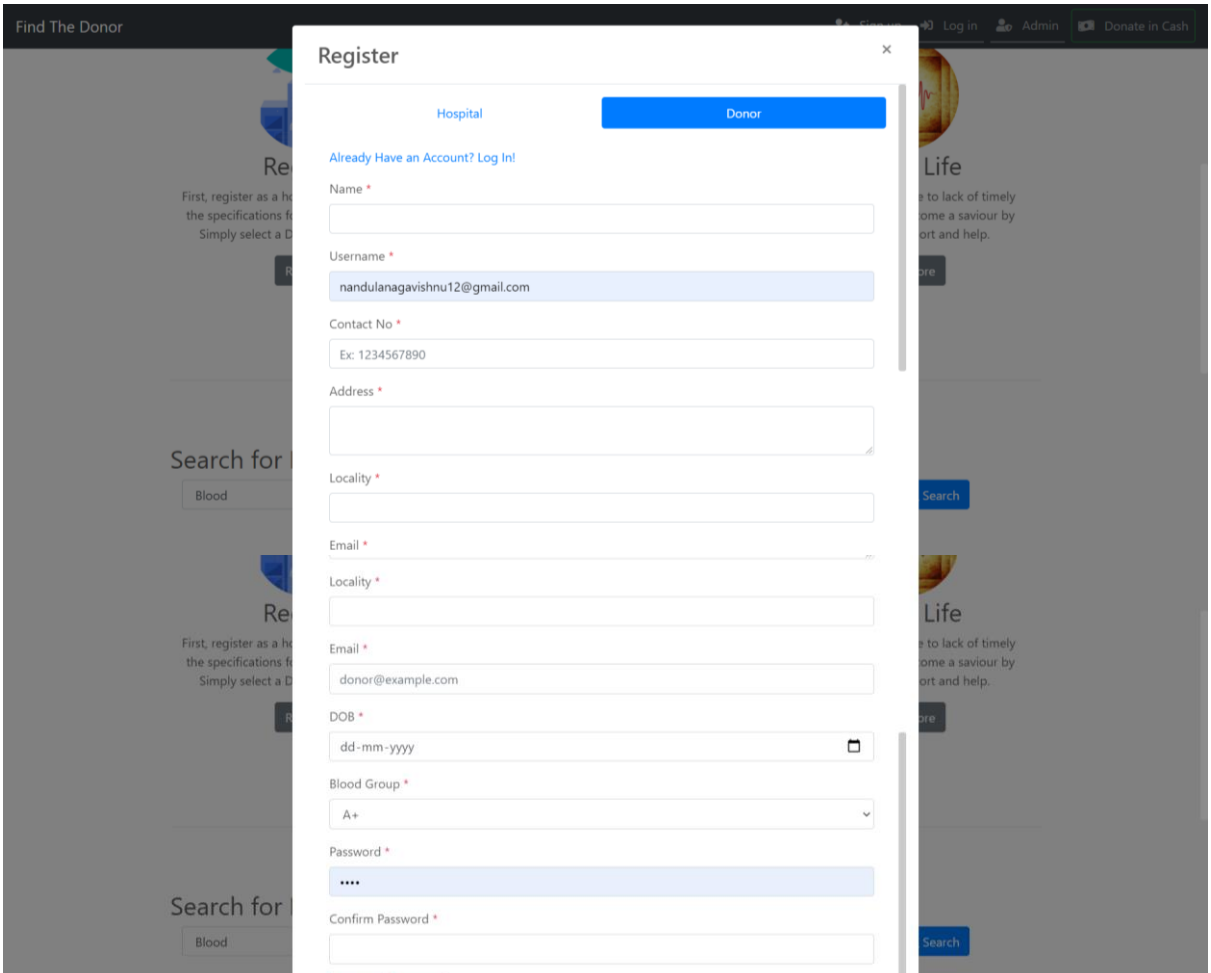


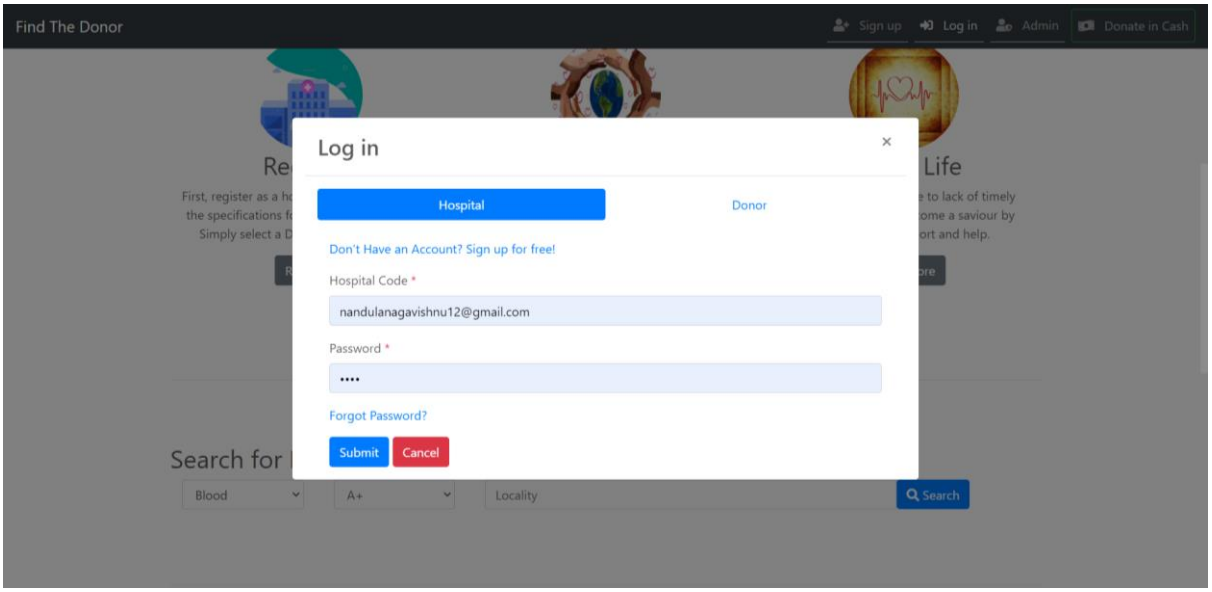


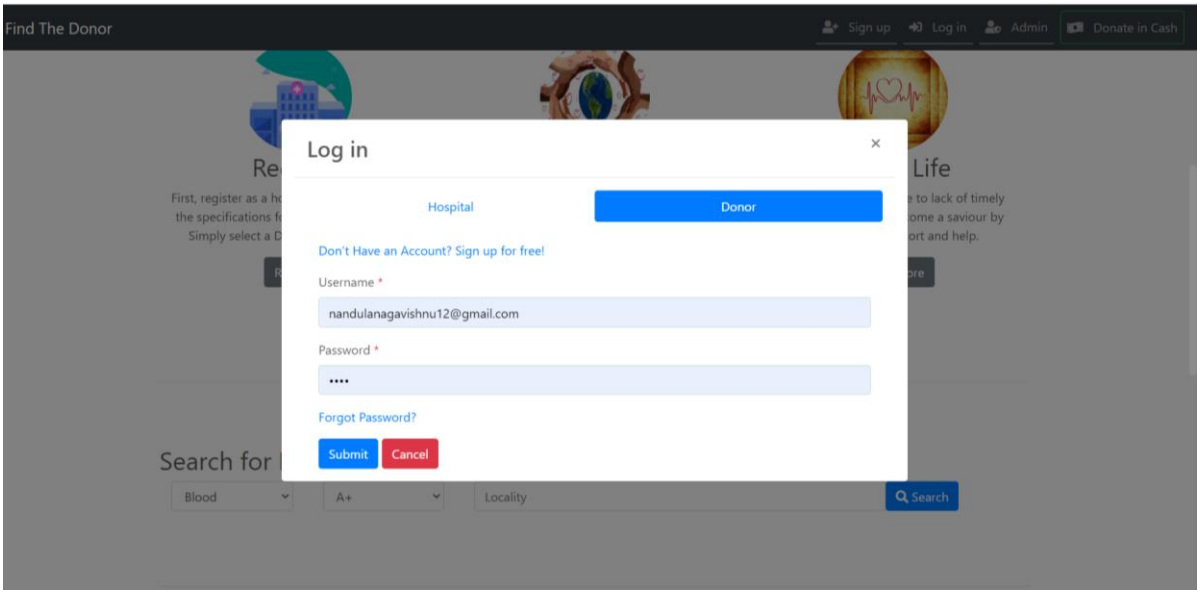
@Home page : Wher you can find the services of ours website



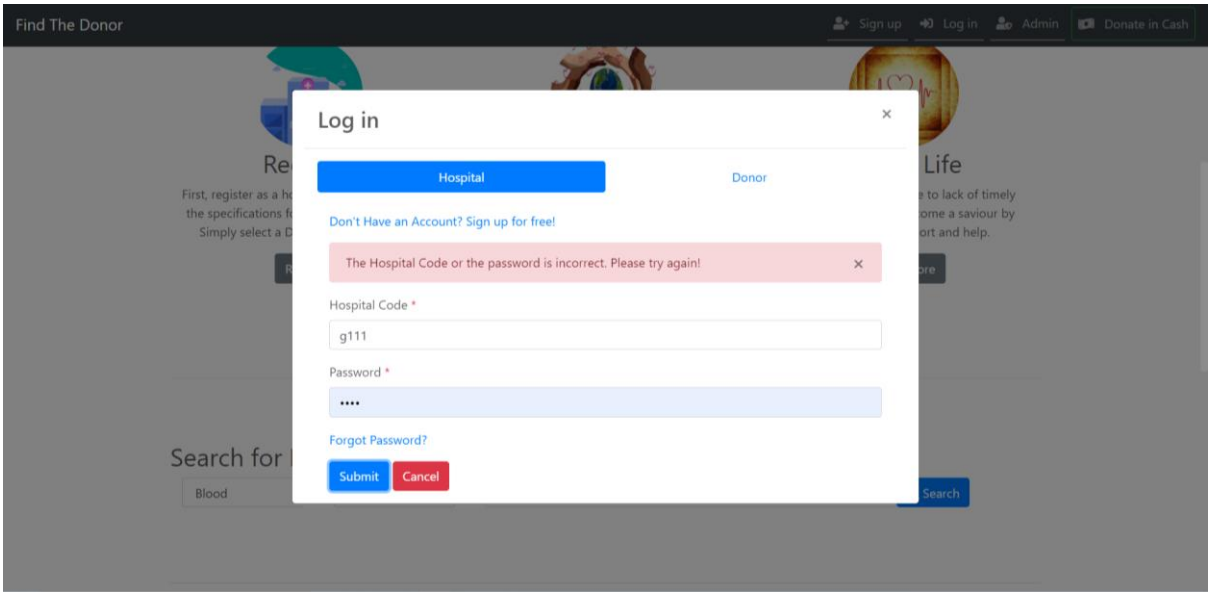
@Registration : User can register into the website ("Donor and Hospital registration")



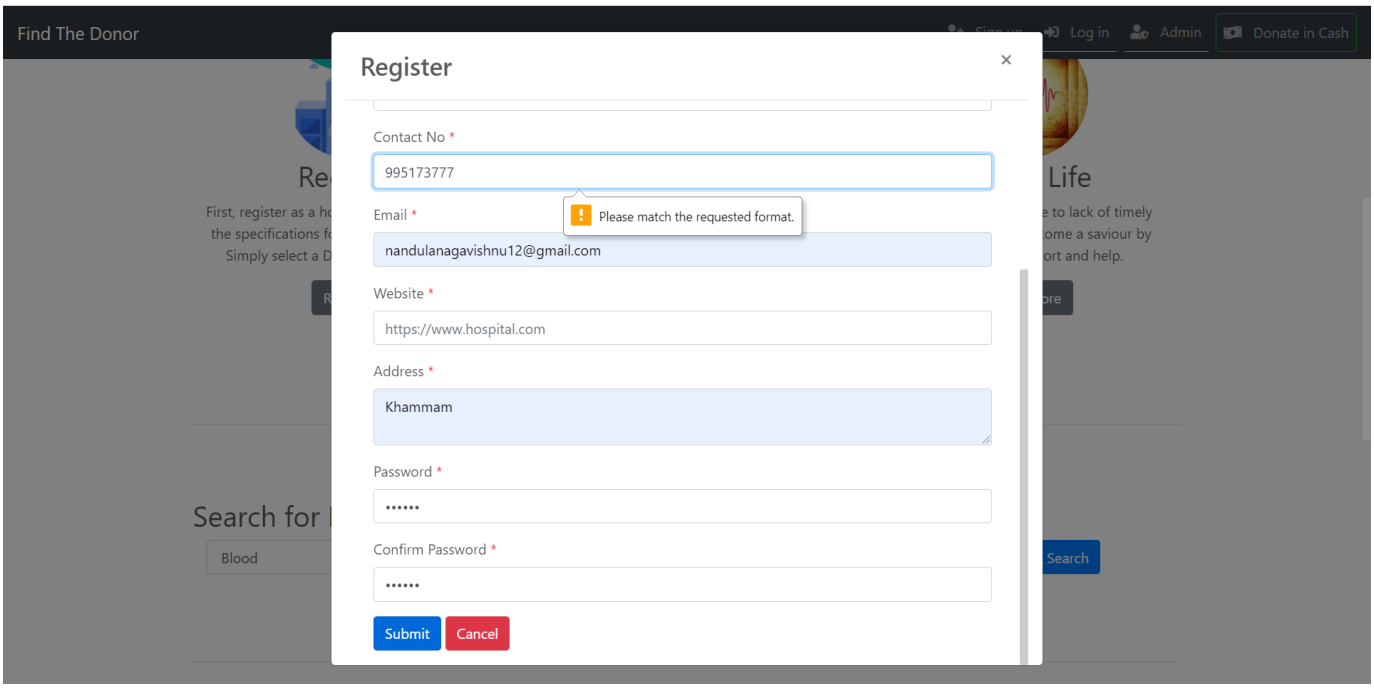




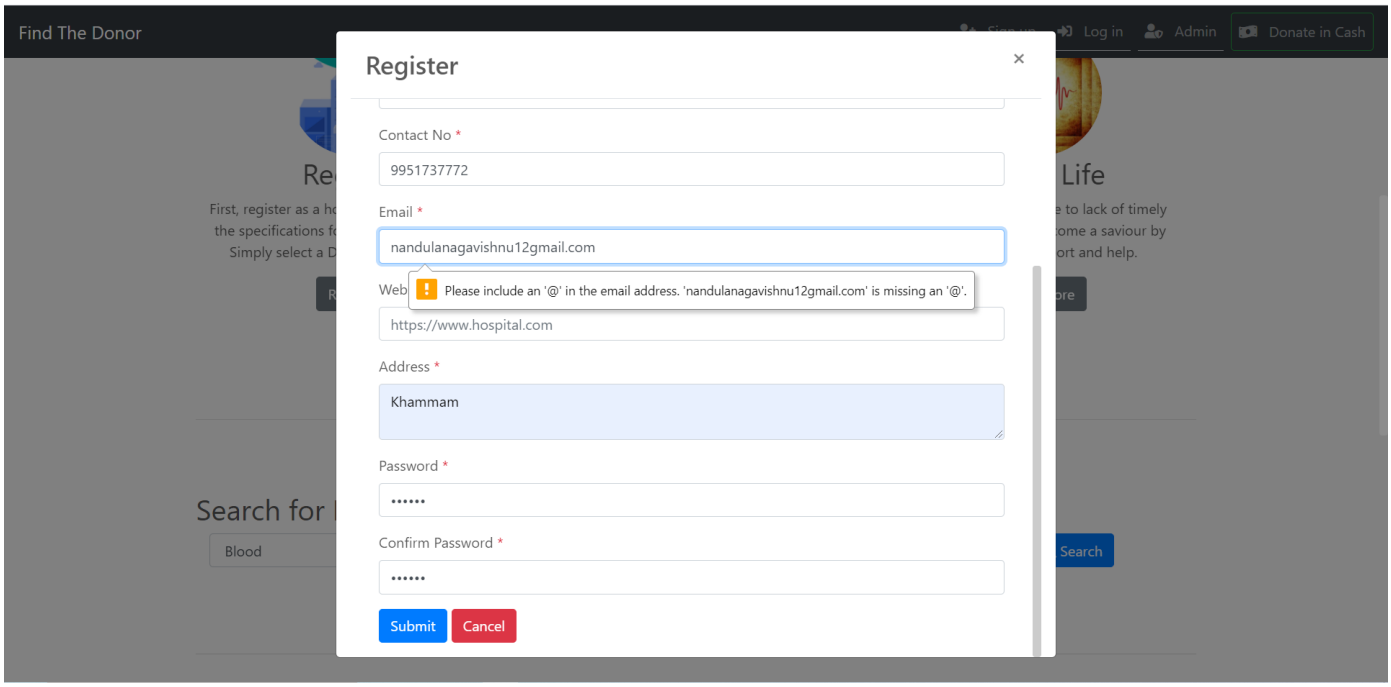
@Login Form : login forms for both “Donor and Hospital”



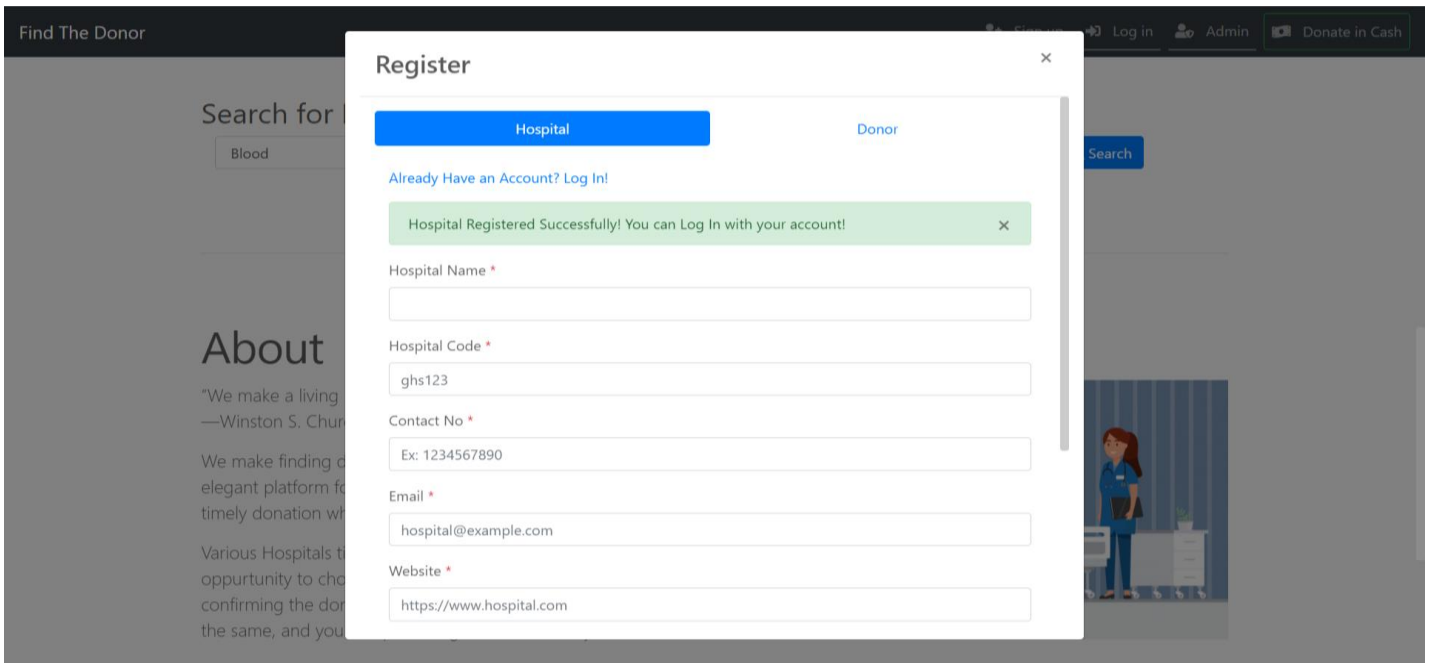
@ Invalid Login details : It trowns an error



@ Invalid mobile number : Registration fails and trows an error

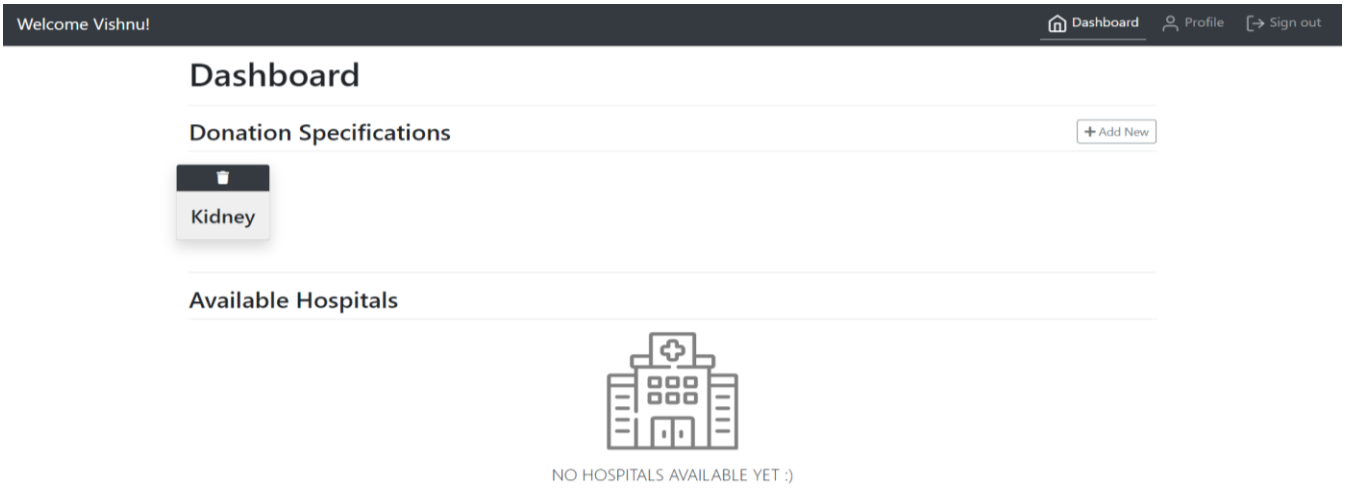


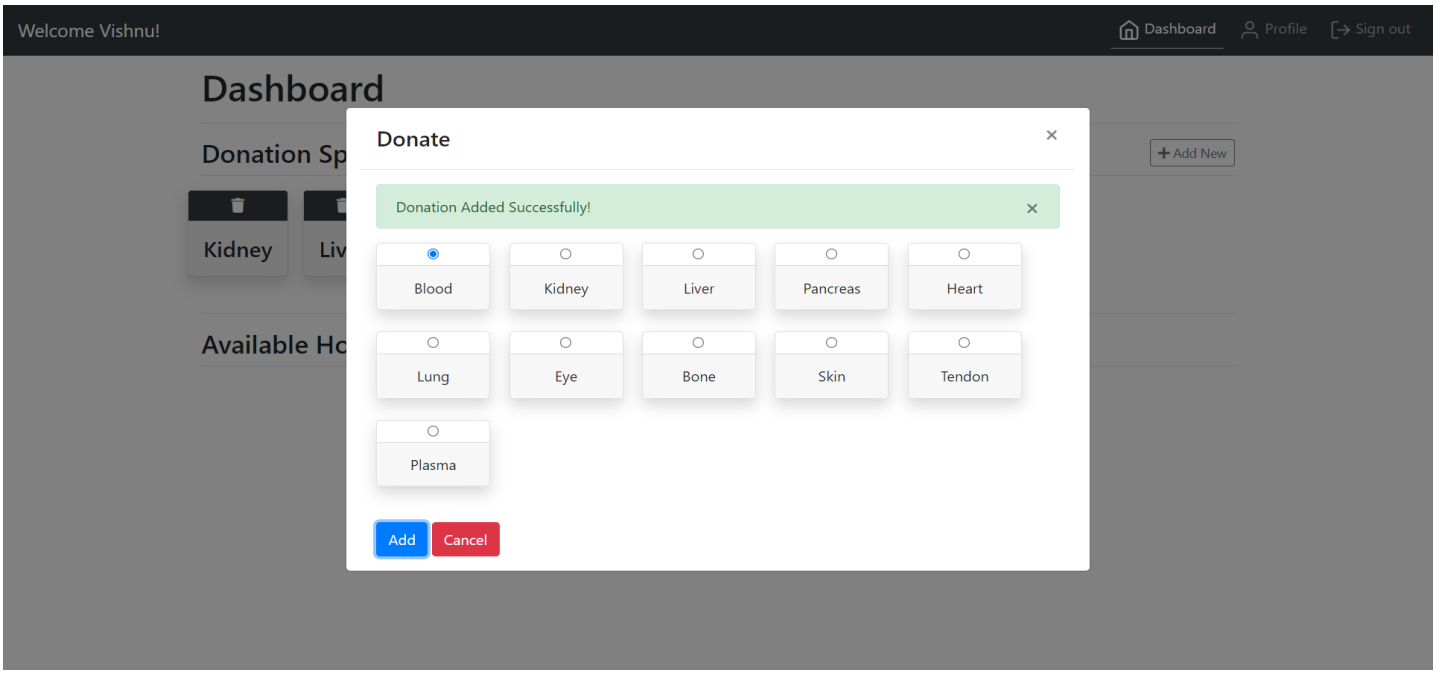
@Invalid Email : Registration fails and trows an erros

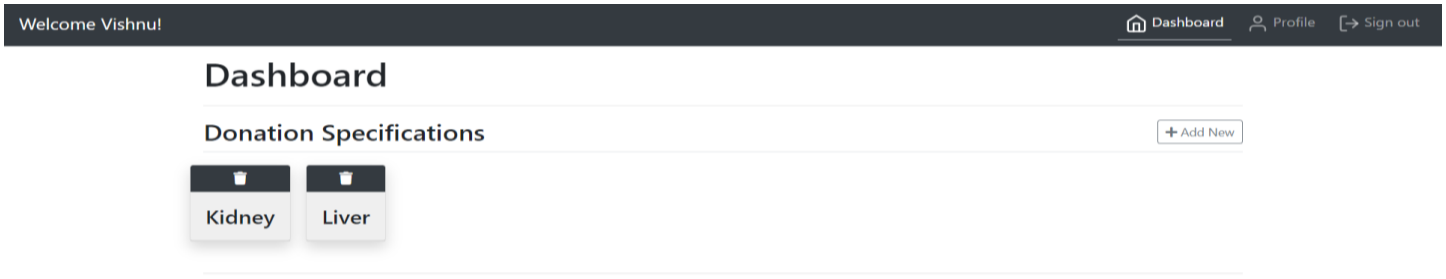


@Vaild informantion : Registration Successful, displays an message

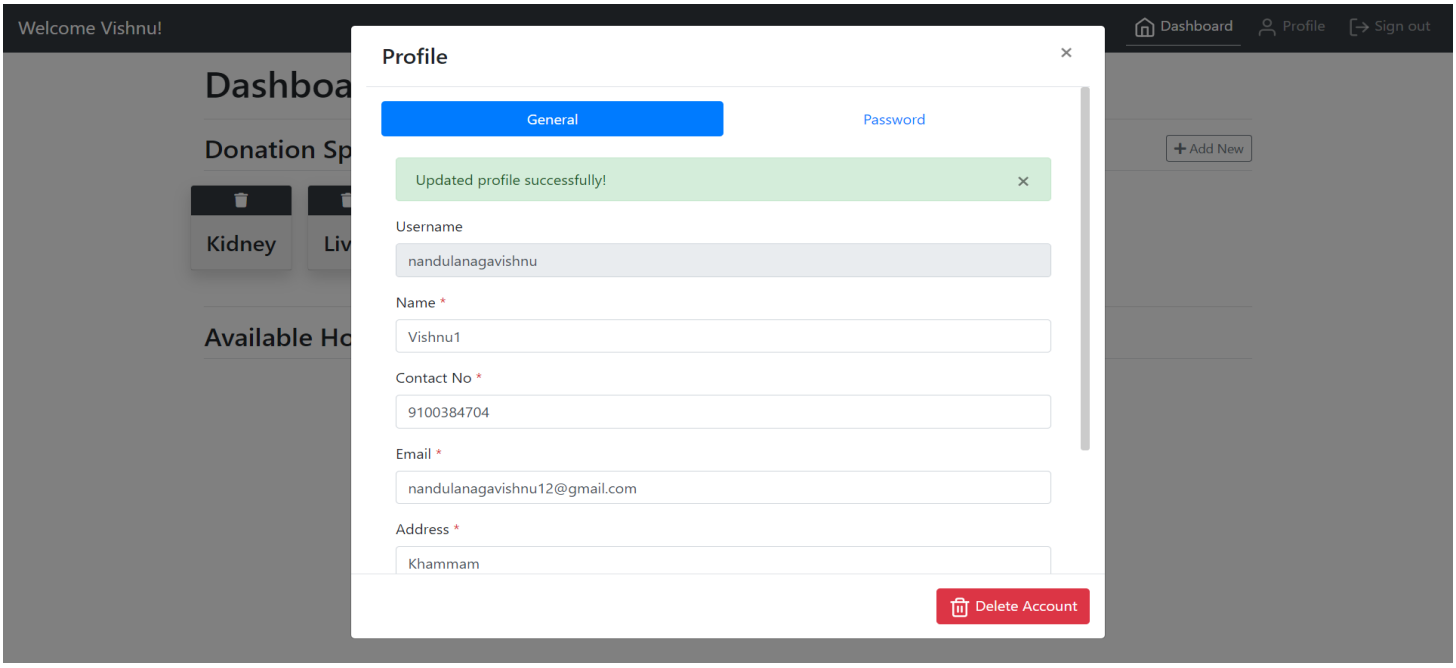
Donor Dashboard :





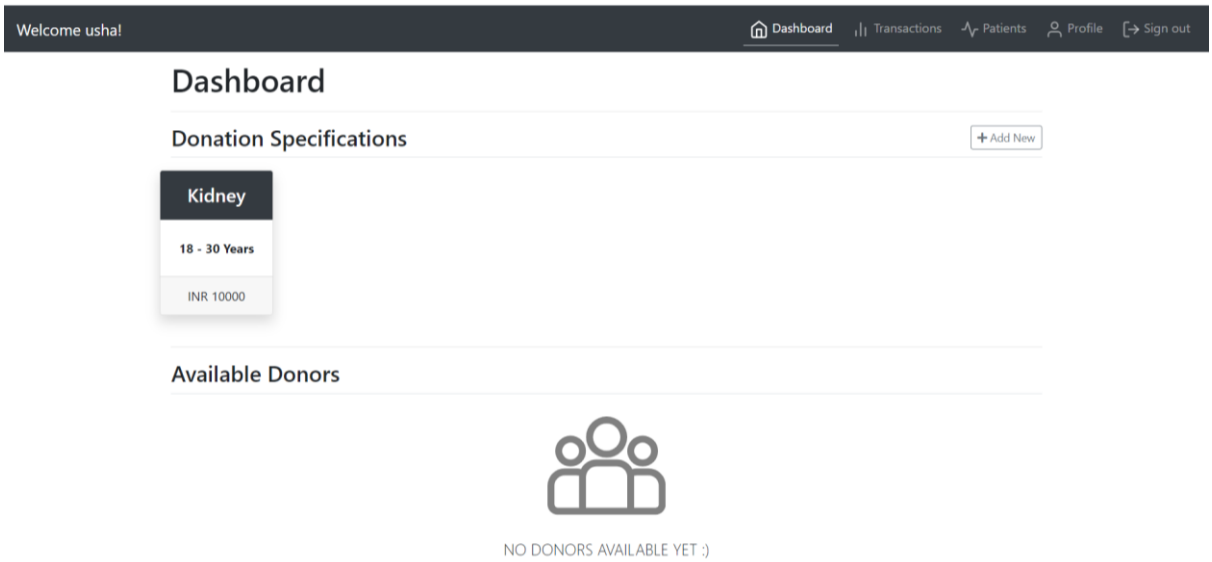


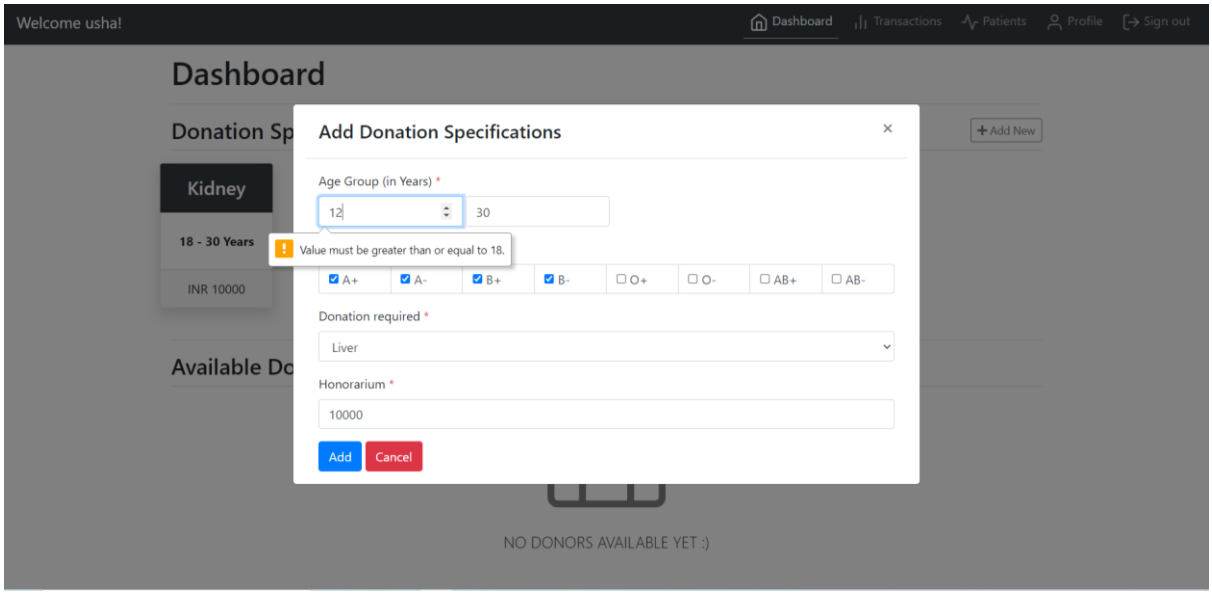
@Adding Donation Specification : Displays a message Successful



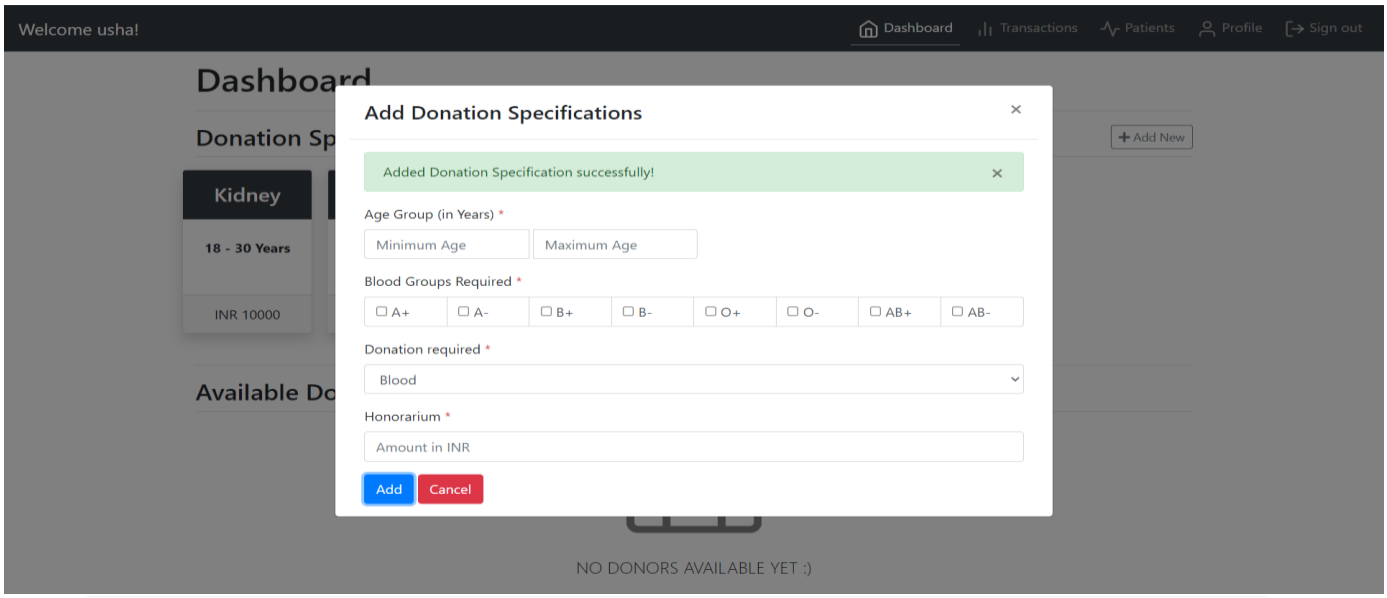
@Donor Profile Updation : Displays a message like updated profile successfully!

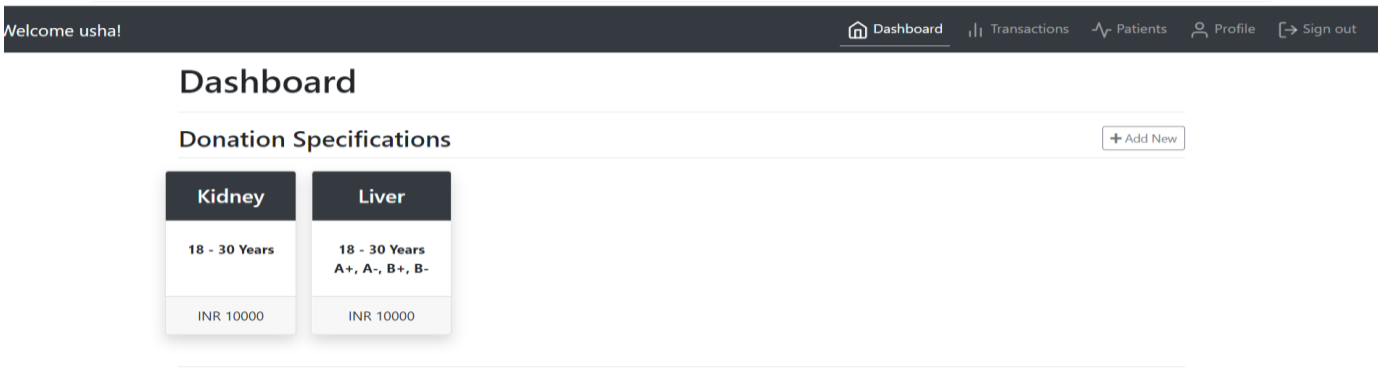
Hospital Dashboard :



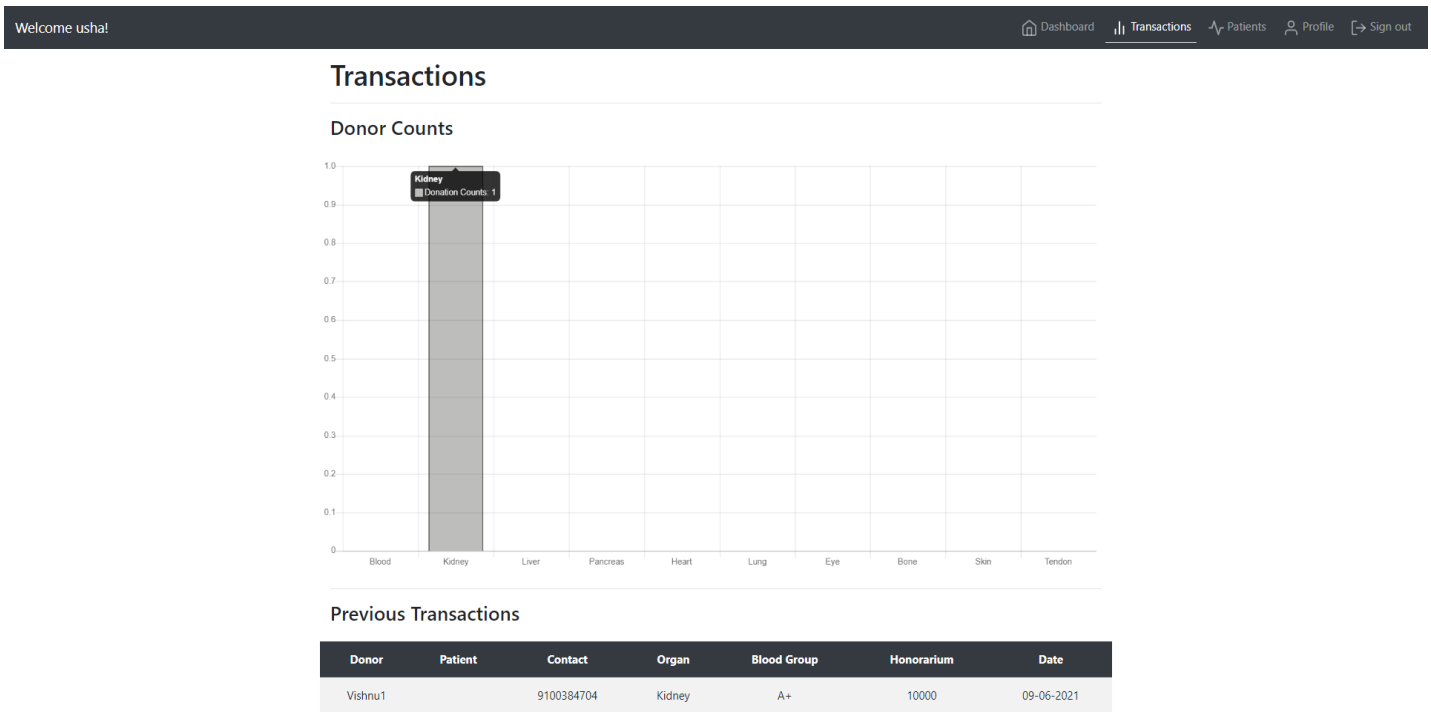


@ Age invalid : Age of the donor must be more than 18

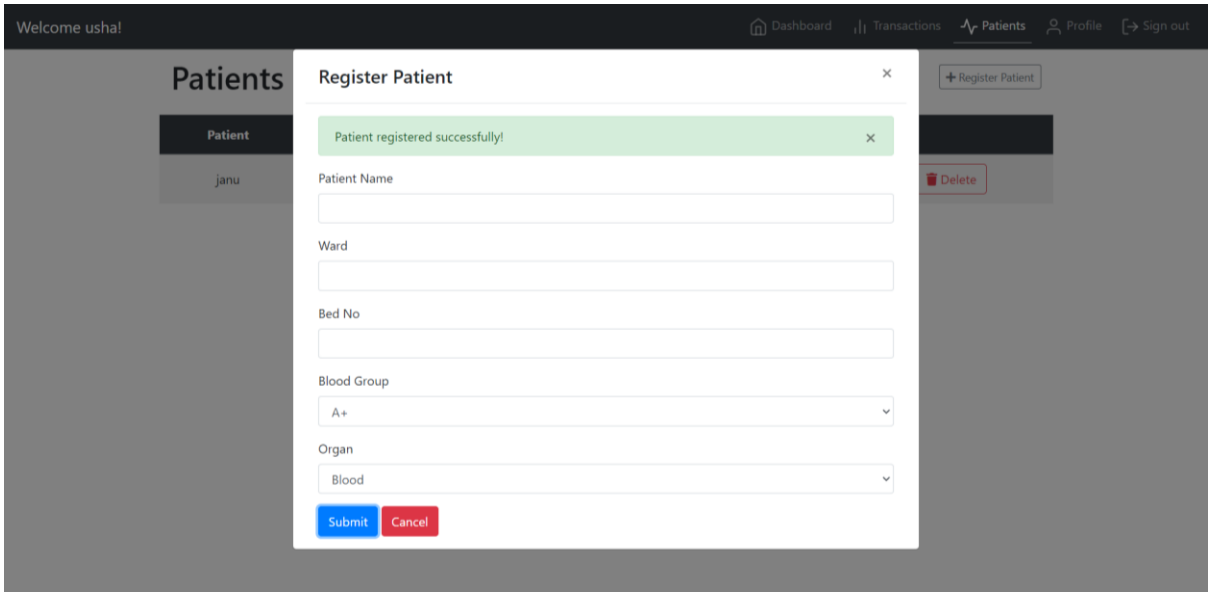


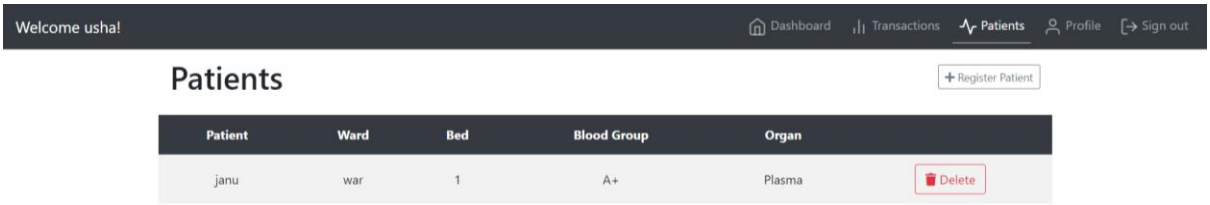


@ Hospital Specification : Deisply message added successfully



@ Transactions : Displays the donations till happened, in a bar graph and data will we retrived as a table below.





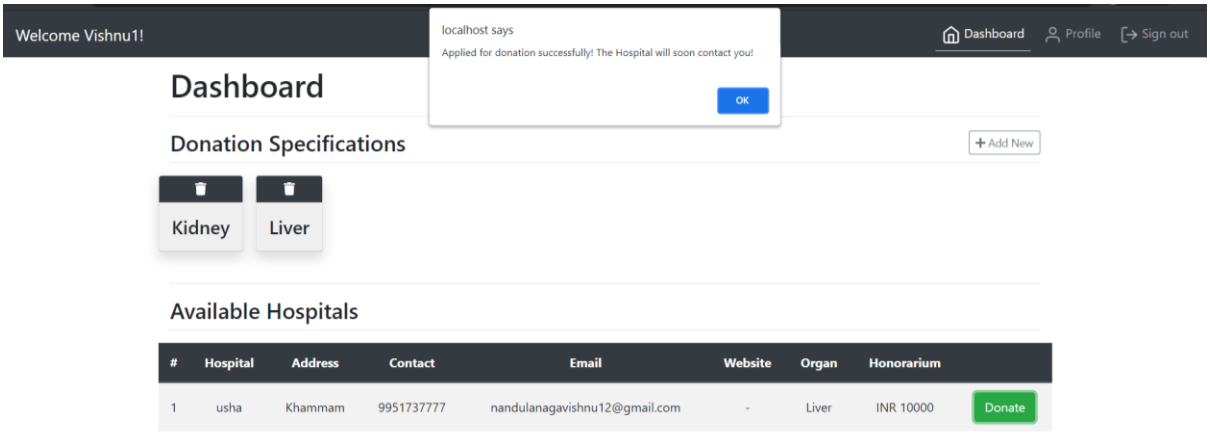
@ Patients Registration : Hospitals can register a patient and aslo can delete him by

the provide delete button.

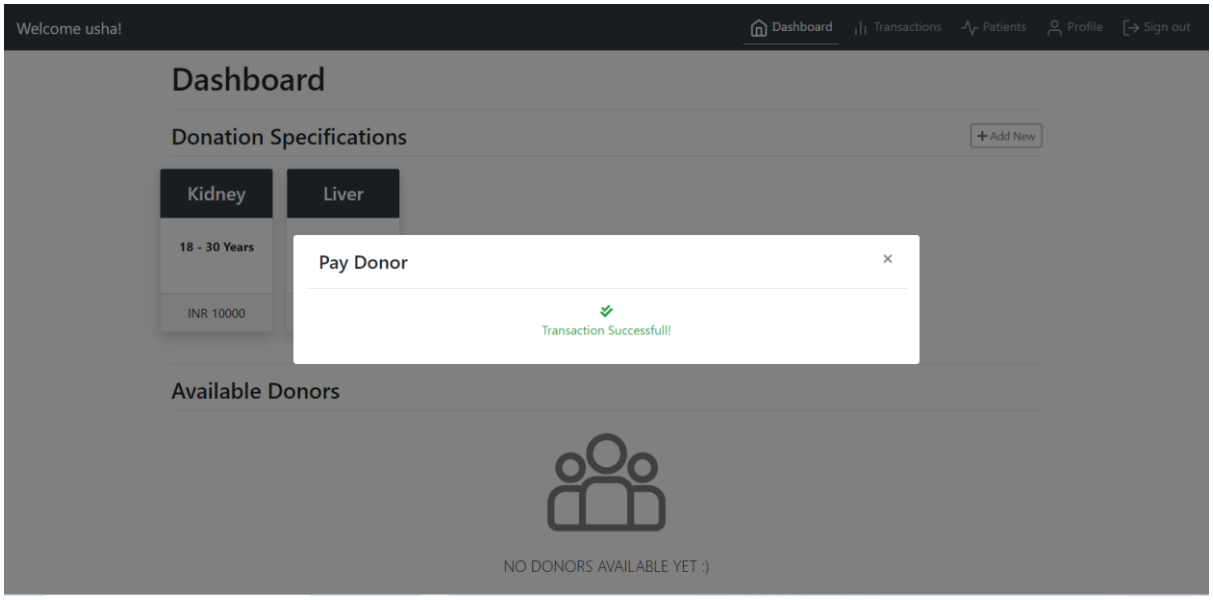
Donation Process :

1) Donor can view the Hospital specfication , that match his blood group
2) He will be provided with a button “Donate”, click that he would be applying to that particular hospital.
3) Hospital is provided with a button “Pay Donor” , which redirect to transtion of organ. And a mail would be generated to donor’s account.
4) Donation data will be added to Transations module.

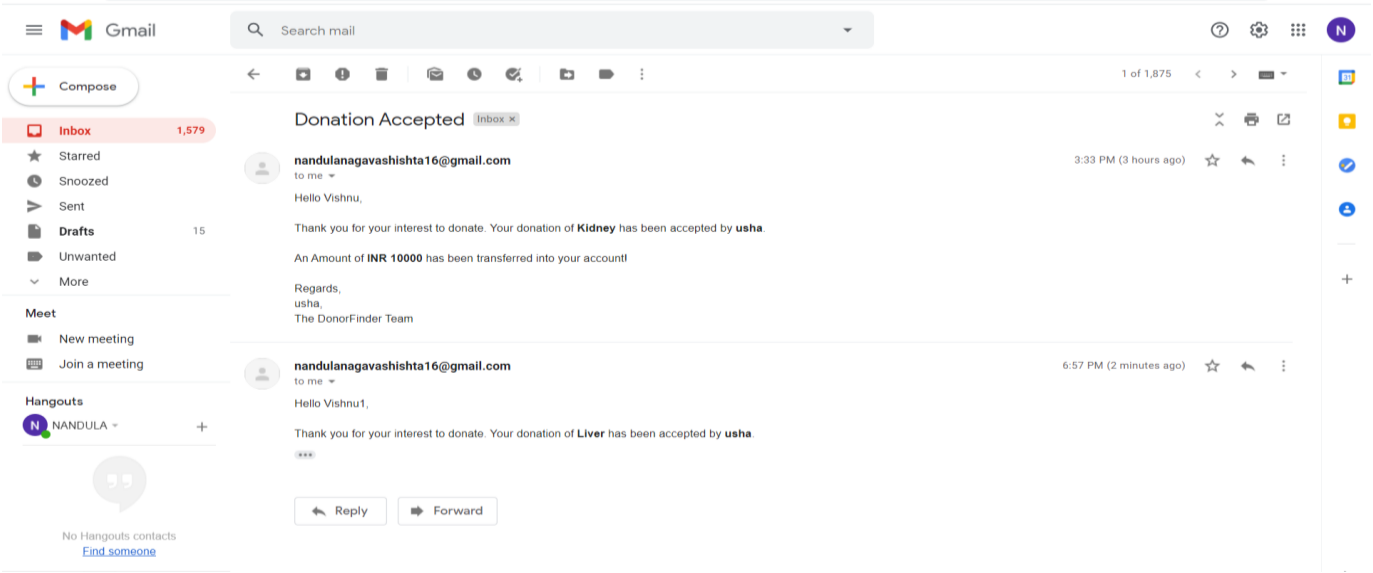
1) Donate to hospital



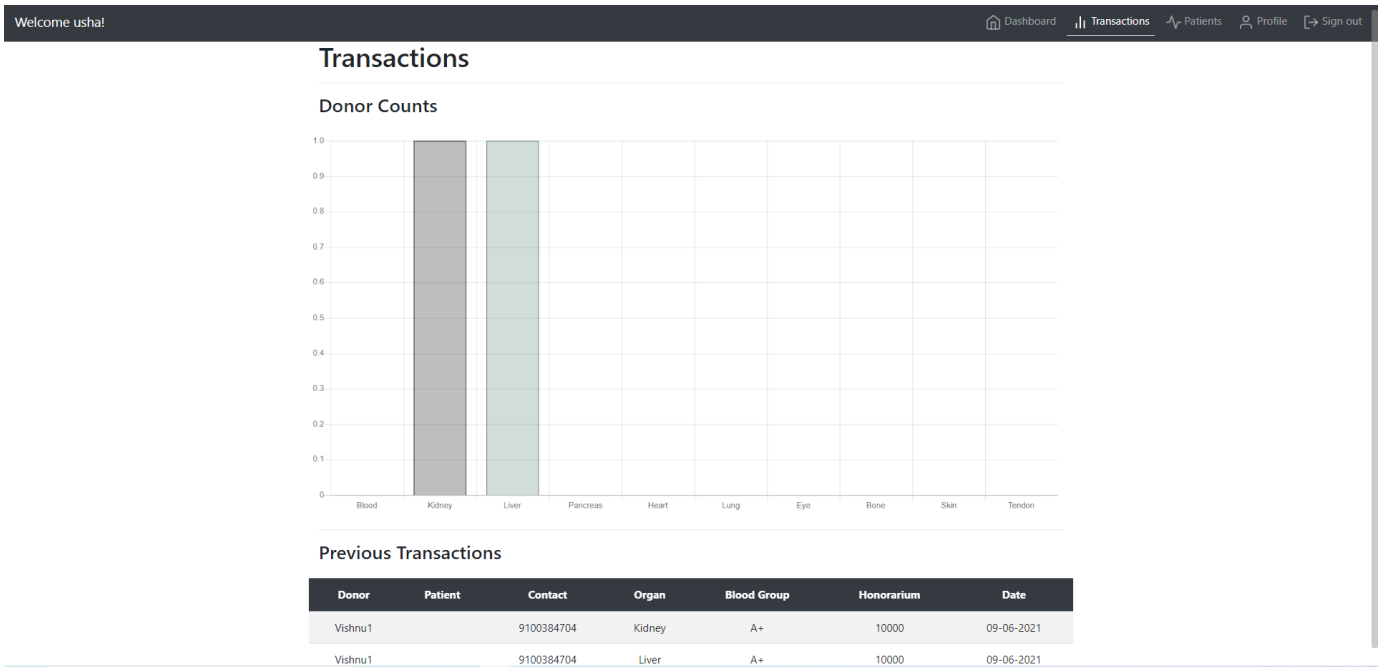
2) Donation accepted by Hospital



3) Mail Received by the donor

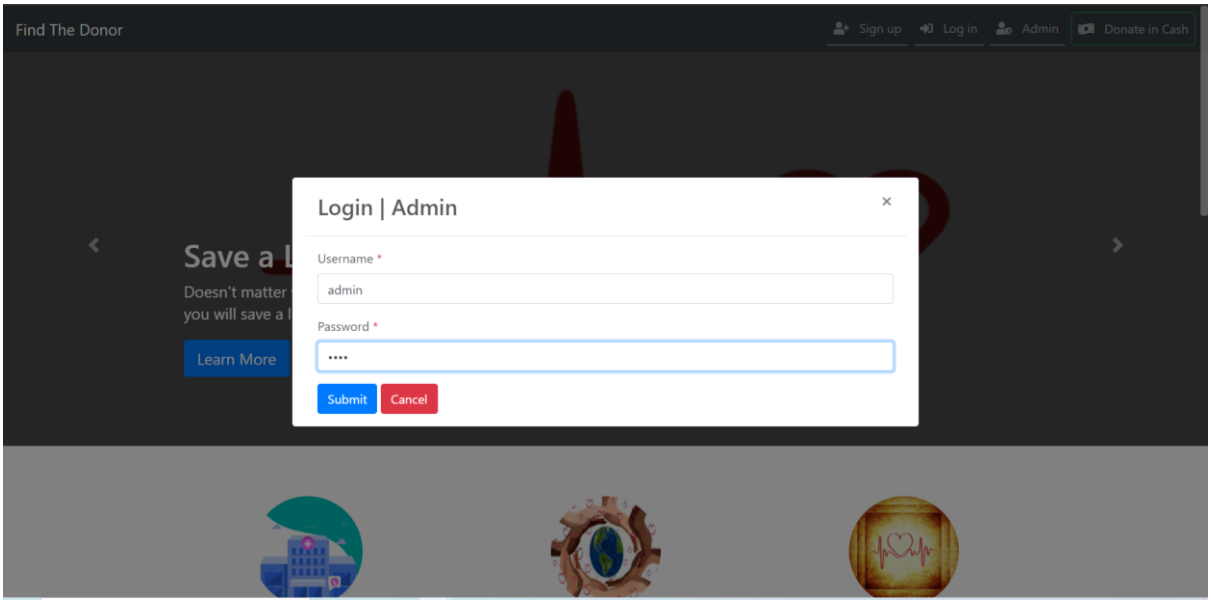


4) Donation added to Transactions

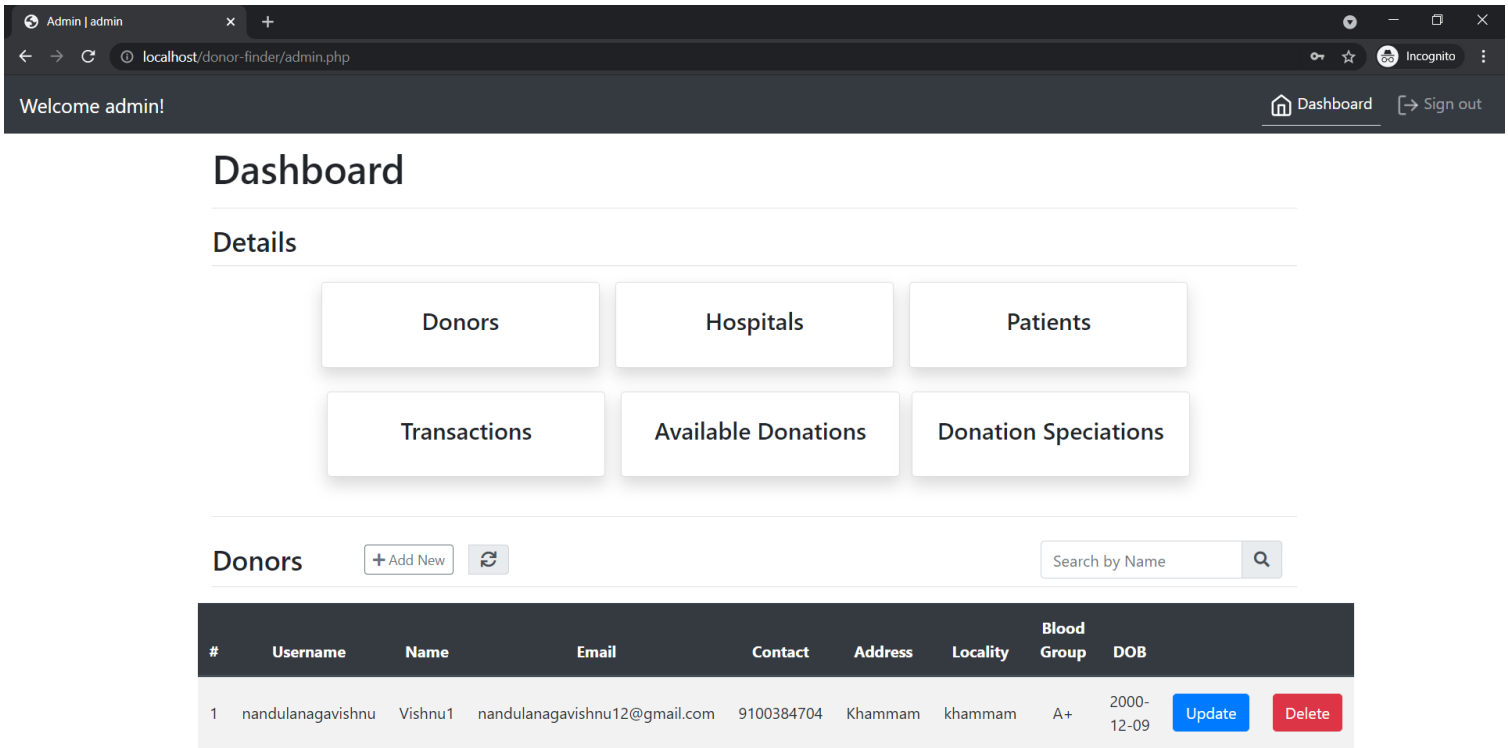


Donor	Patient	Contact	Organ	Blood Group	Honorarium	Date
Vishnu1		9100384704	Kidney	A+	10000	09-06-2021
Vishnu1		9100384704	Liver	A+	10000	09-06-2021

Admin Pannel



@ Admin Login Pannel : Successfully Login!

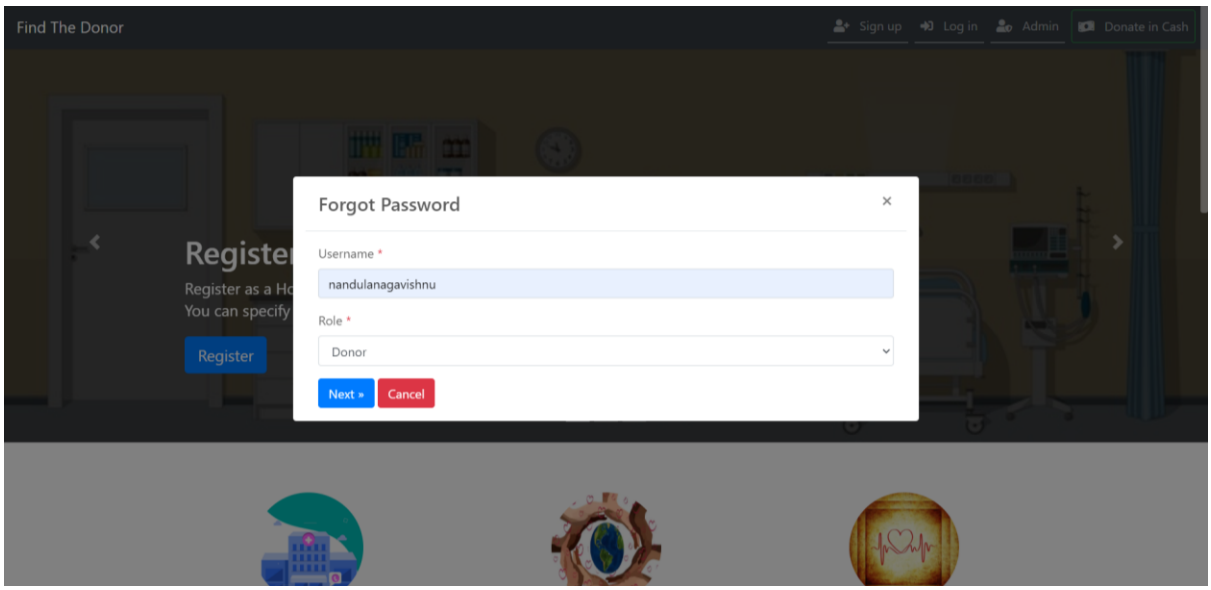


@ Dashboard Of admin : Here you can find all the information of “Donors, Hospitals , Patients , Transactions and Specification”. And he has total Control over them. He can Update , view and delete the records.

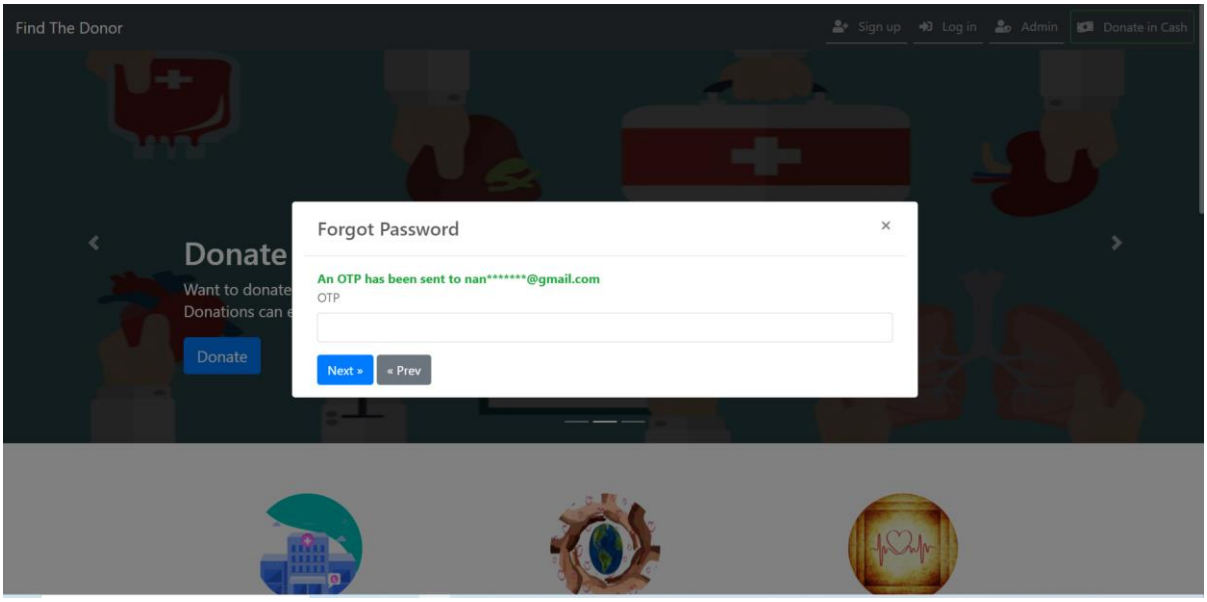
Forget Password functionality with OTP verification :

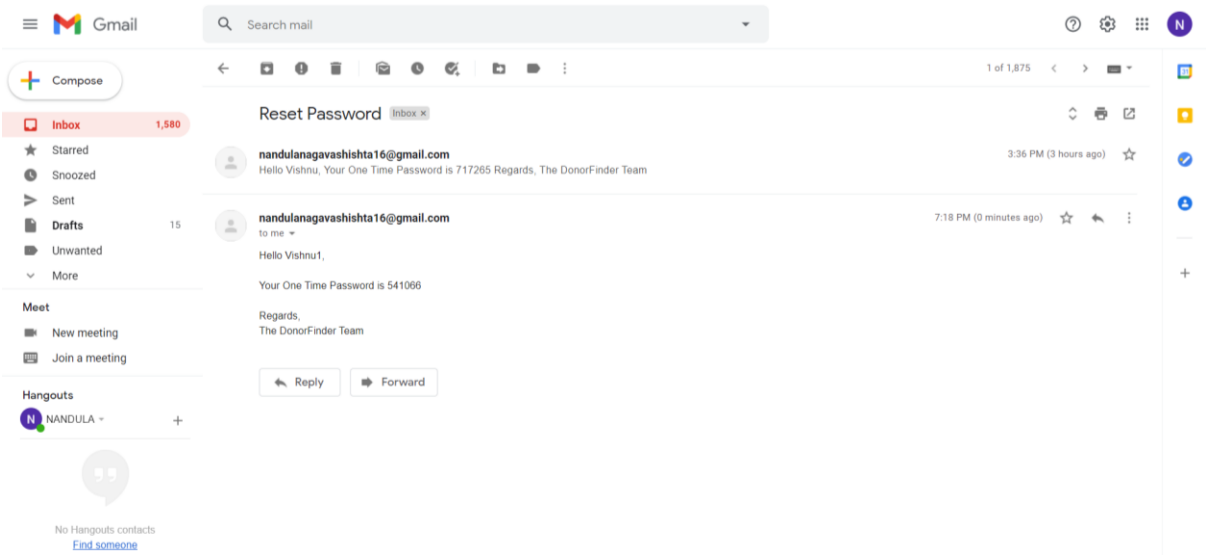
1) Click on forget password and choose the role (Donor or Hospital)
2) A mail will be generated with OTP in it
3) By placing the correct otp user can change or reset the password.

1)

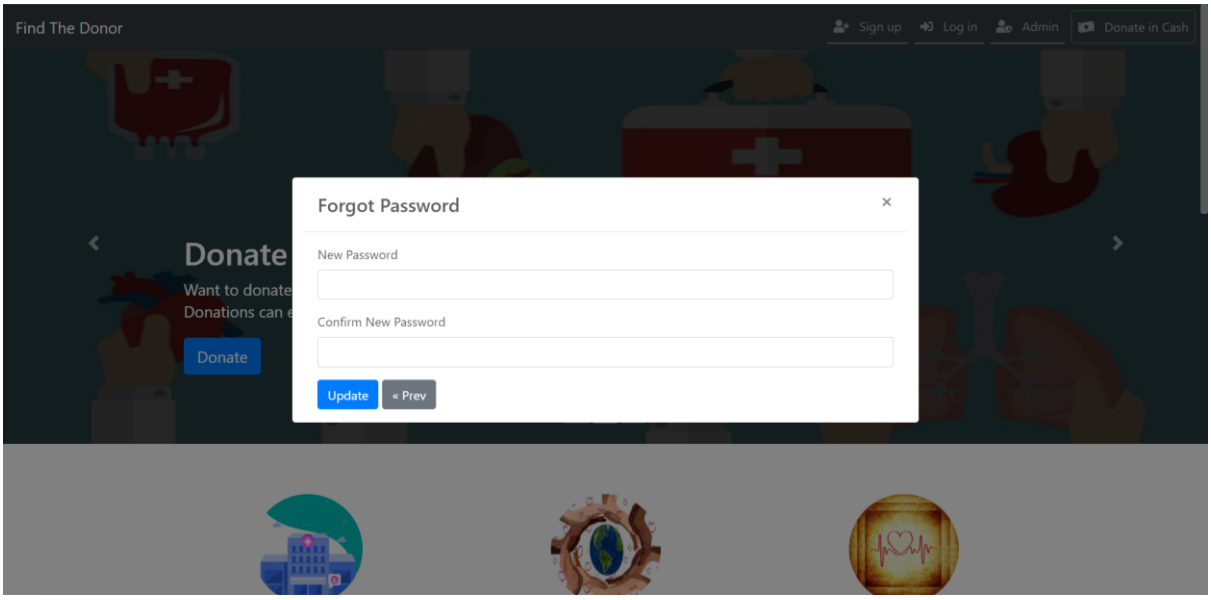


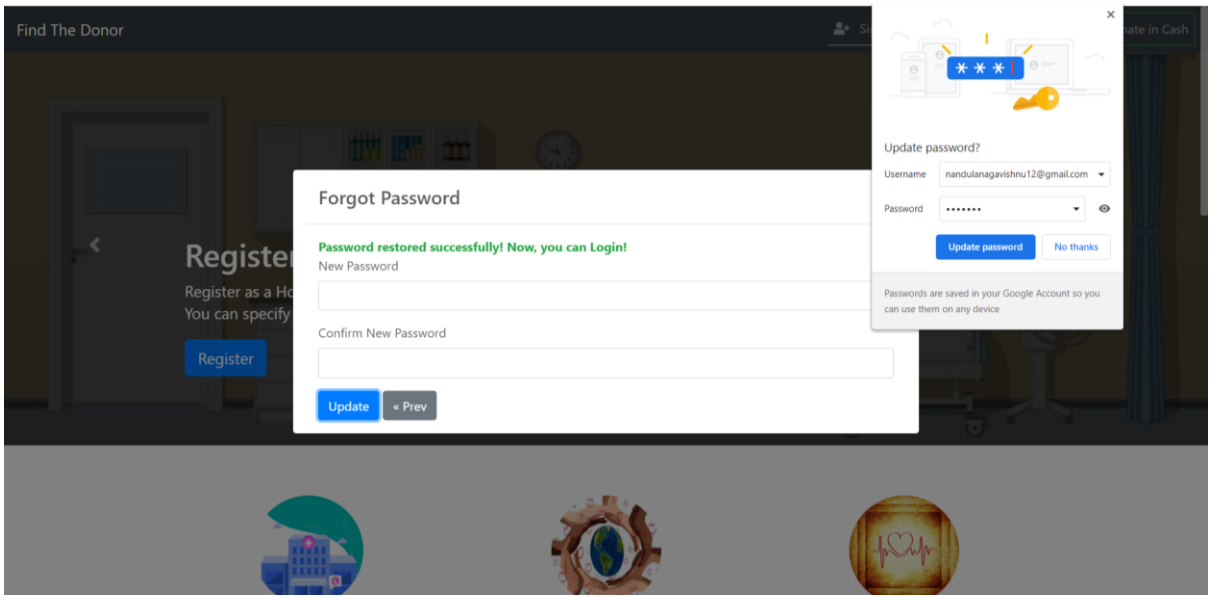
2)




Gmail
Search mail
Compose
Inbox 1,580
Starred
Snoozed
Sent
Drafts 15
Unwanted
More
Meet
New meeting
Join a meeting
Hangouts
NANDULA
No Hangouts contacts
Find someone
1 of 1,875
Reset Password Inbox ×
nandulanagavashishta16@gmail.com
Hello Vishnu, Your One Time Password is 717265 Regards, The DonorFinder Team
3:36 PM (3 hours ago)
nandulanagavashishta16@gmail.com
to me
7:18 PM (0 minutes ago)
Hello Vishnu1,
Your One Time Password is 541066
Regards,
The DonorFinder Team
Reply
Forward

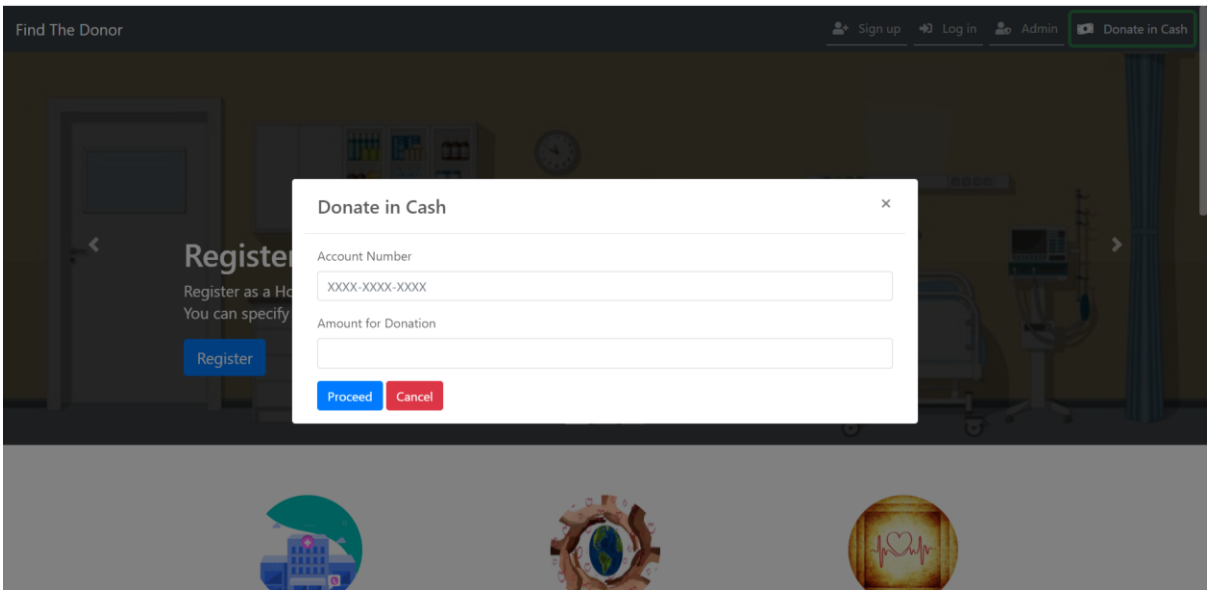
3)

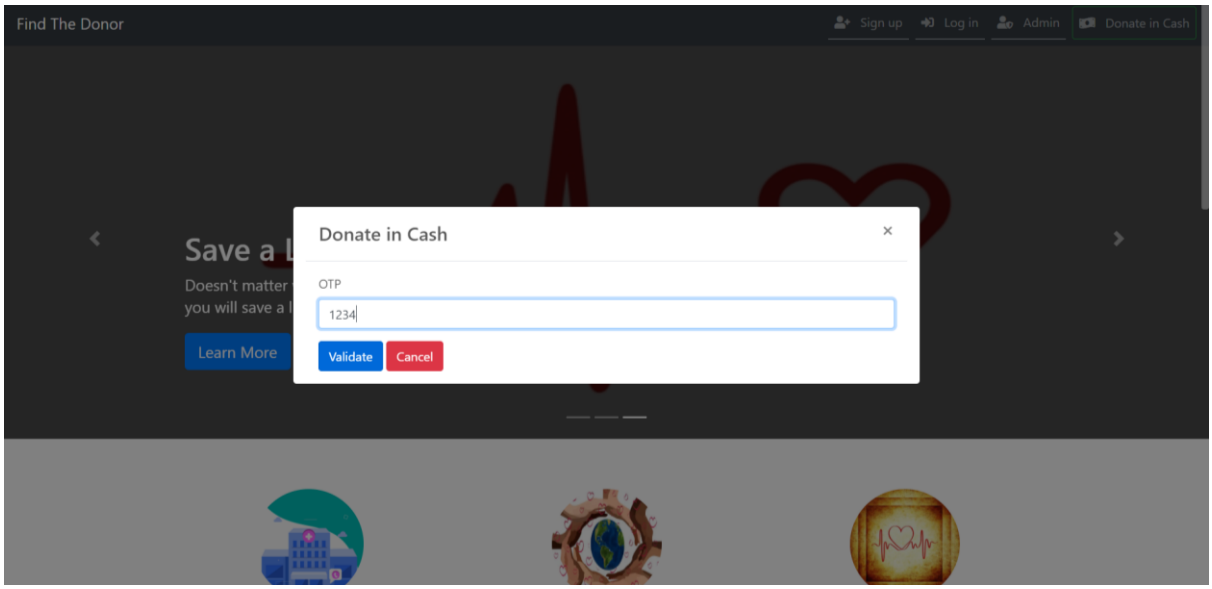

Find The Donor
Sign up
Log in
Admin
Donate in Cash
Donate
Want to donate
Donations can
Donate
Forgot Password
New Password
Confirm New Password
Update
« Prev

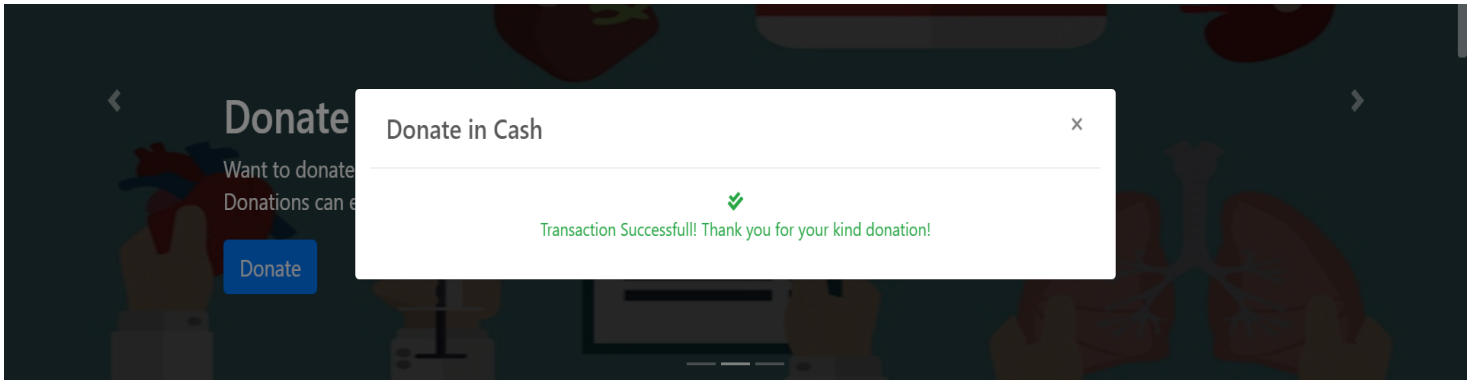

Find The Donor
Register
Register as a Ho
You can specify
Register
Forgot Password
Password restored successfully! Now, you can Login!
New Password
Confirm New Password
Update
« Prev
Update password?
Username
nandulanagavishnu12@gmail.com
Password
Update password
No thanks
Passwords are saved in your Google Account so you can use them on any device

@ Password Updation successful !

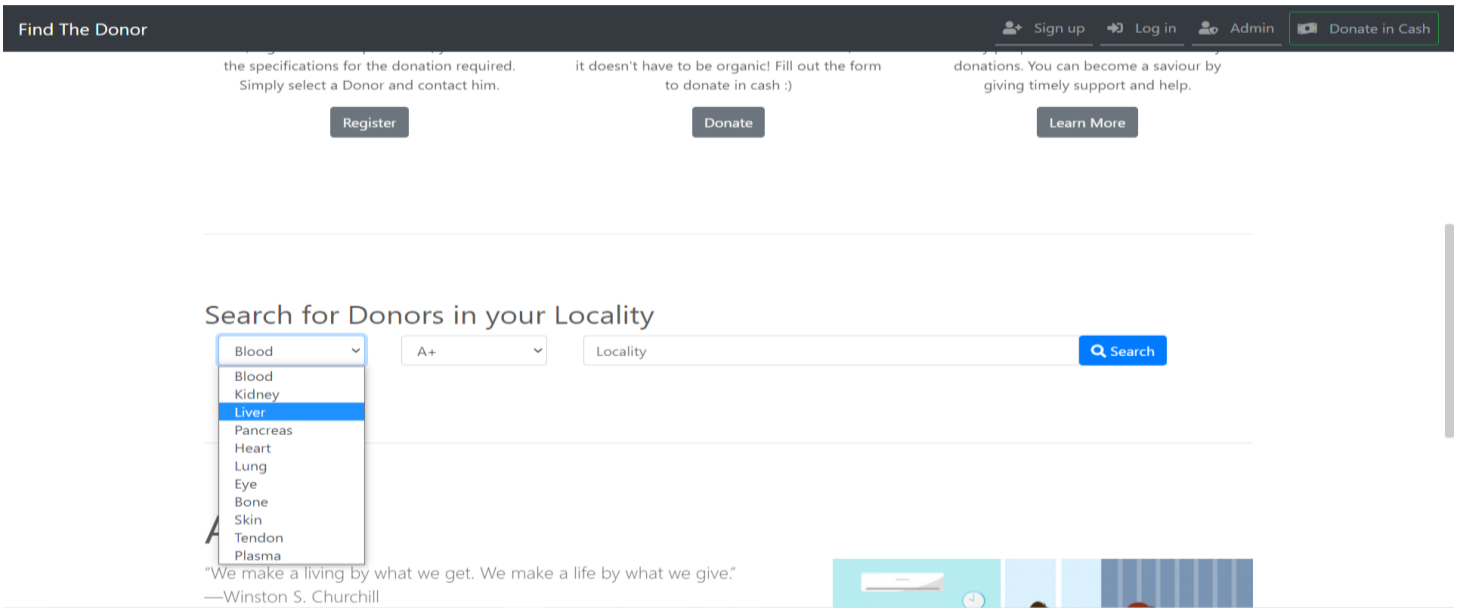
Donate in Cash Option : Here user can donate his intrested amount , by filling the form with an otp verfication. Displays a message ‘Transaction successful”

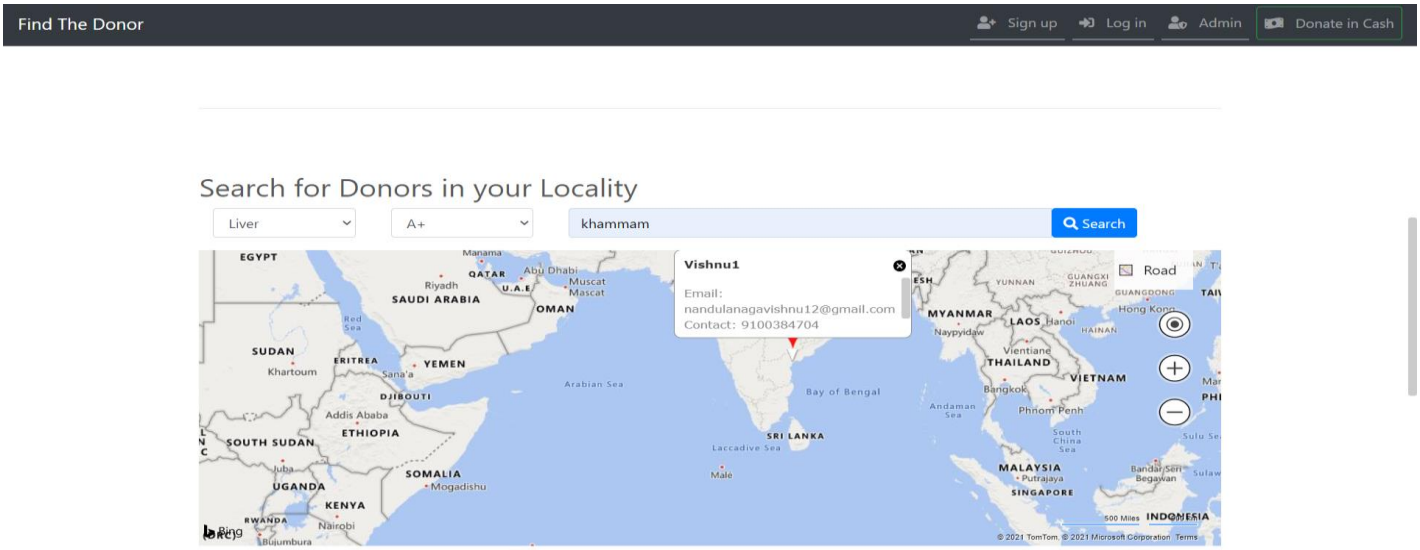


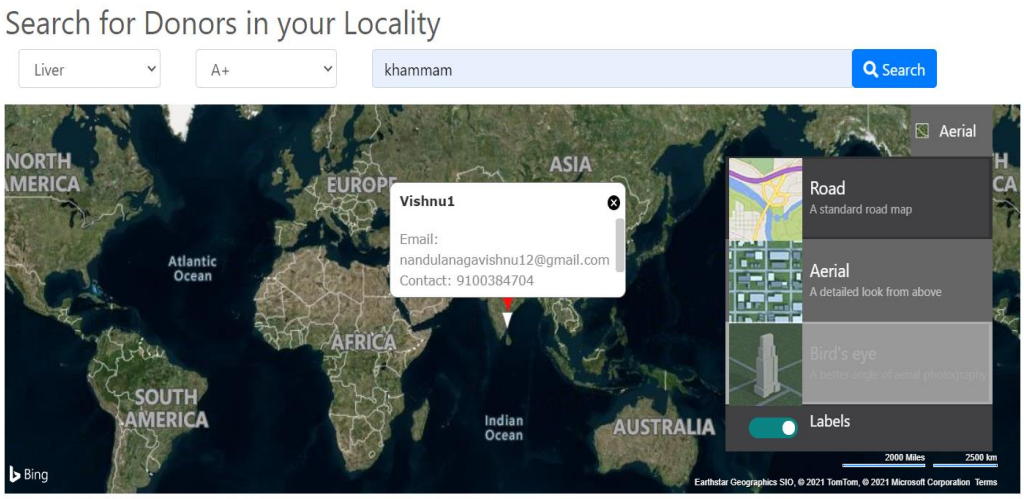




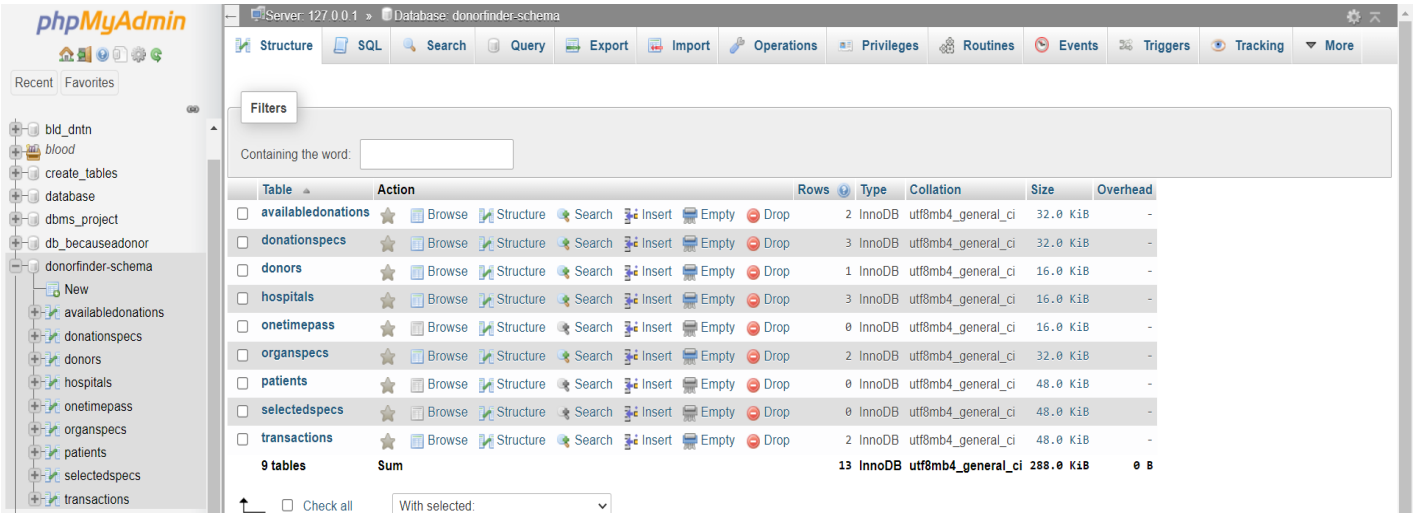
Filter Option with Google maps : Here the user can filter the donor easily , in their nearby location.



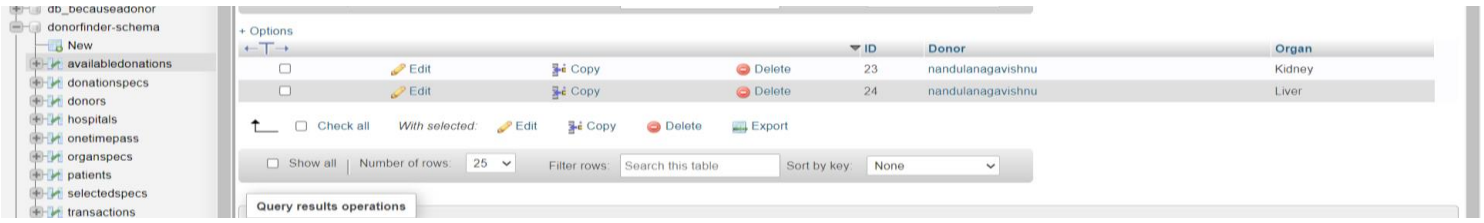




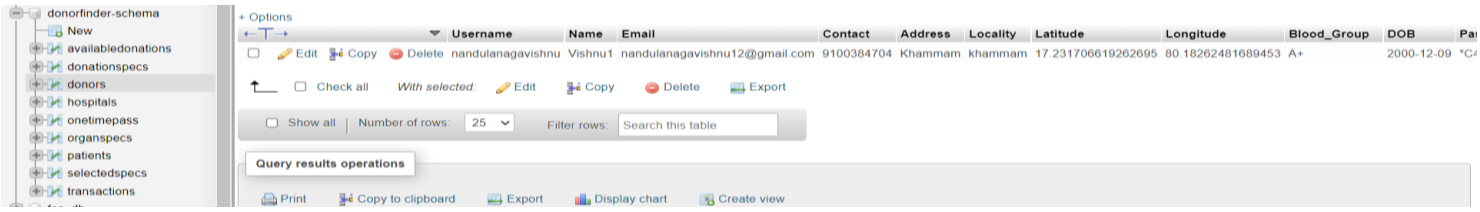
Databases : we have dreated a database named “donorfinder-schema”



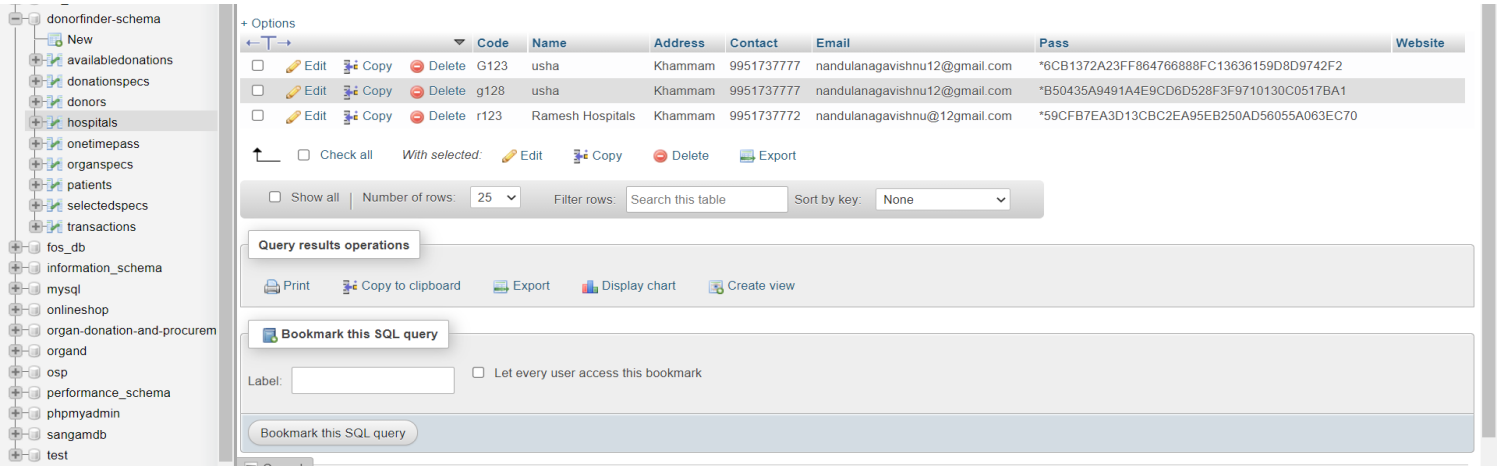
Availabledonation :



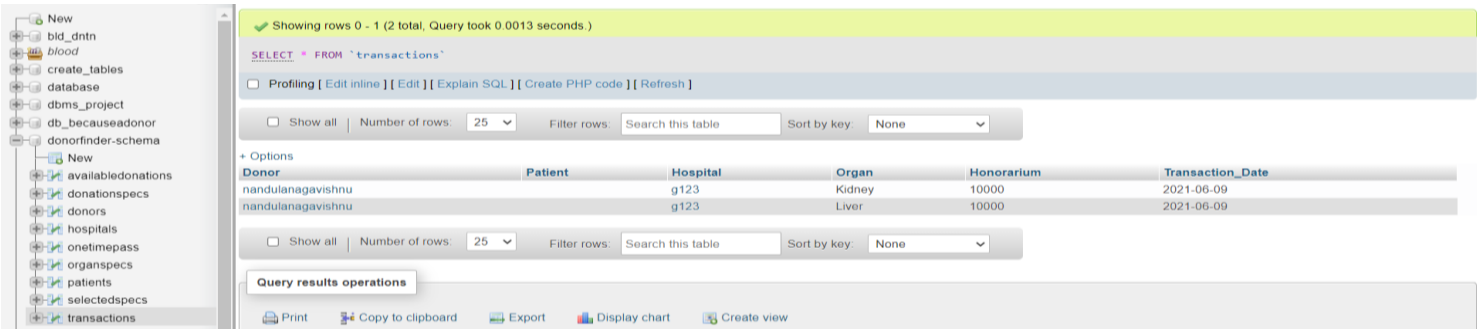
Donors



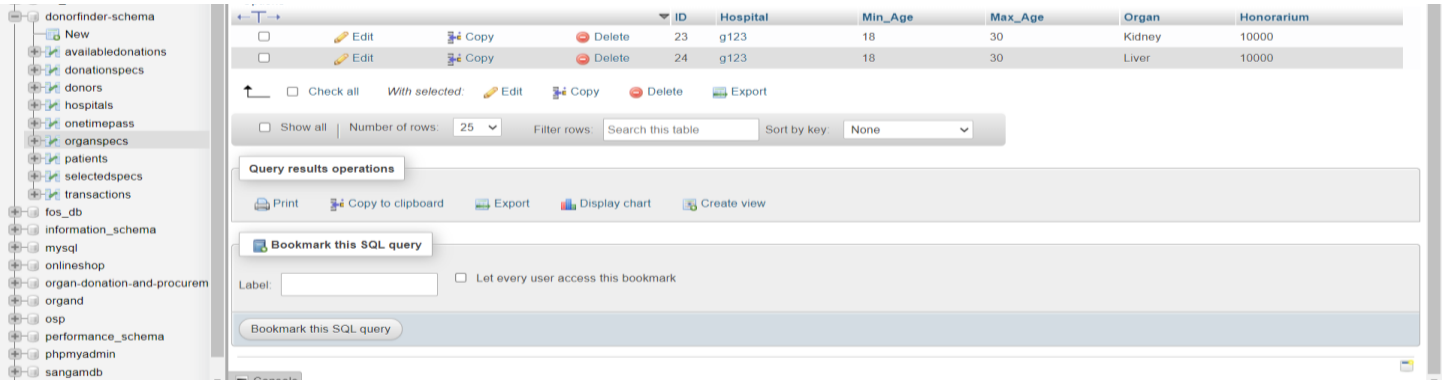
Hospitals



Transactions data



Organ Specifications



Functionalities :

1) User secure authentication
2) Filter option is provide to the users inorder to find the donors easily
3) Google maps , help the user to find the donor’s location
4) Admin pannel is created , which has full control over the website
5) Forget Password functionality is provided , with an secure OTP verfication
6) Hopital and Donor is provide with a dashboard, and can add their specifications
7) Donation process is secured

Future Work

We suggest the following future extensions to our work :

1. To add Chatbox to our website so that if any mistake happens or regarding any doubt in donation process, a user can contact to the hospital directly.
2. To make the website available in Telugu or Hindi or any other languages so that all people can access and read from the website.

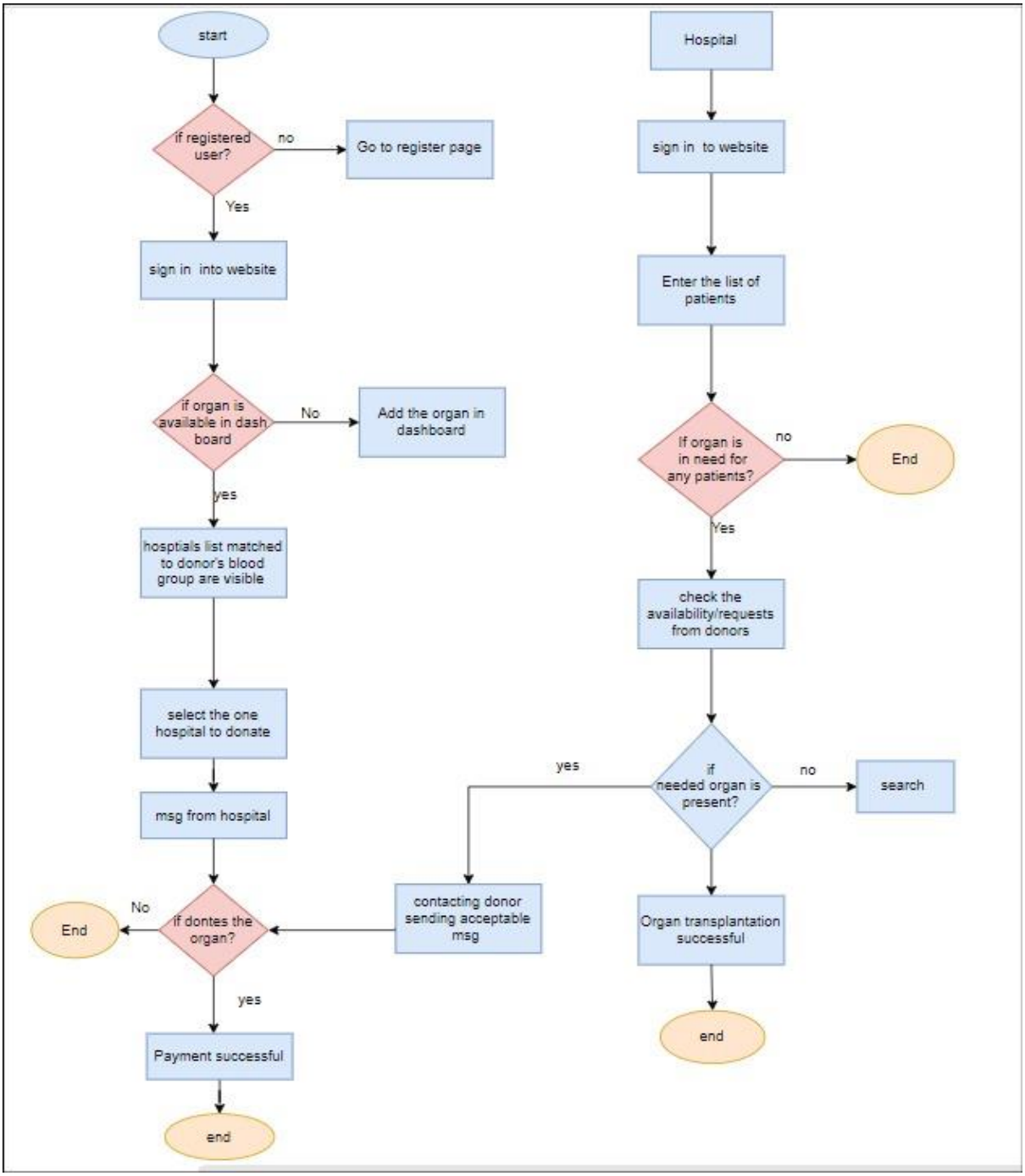
Challenges

1. Entering the details about the Organ donates , members , addresses etc…
2. And tracking the database is complicated when details are maintained manually.
3. It is time consuming.
4. It lacks of data security.
5. Retrieval of data takes lots of time.
6. Reports take time to produce.
7. Percentage of accuracy is less.

List of Figures :

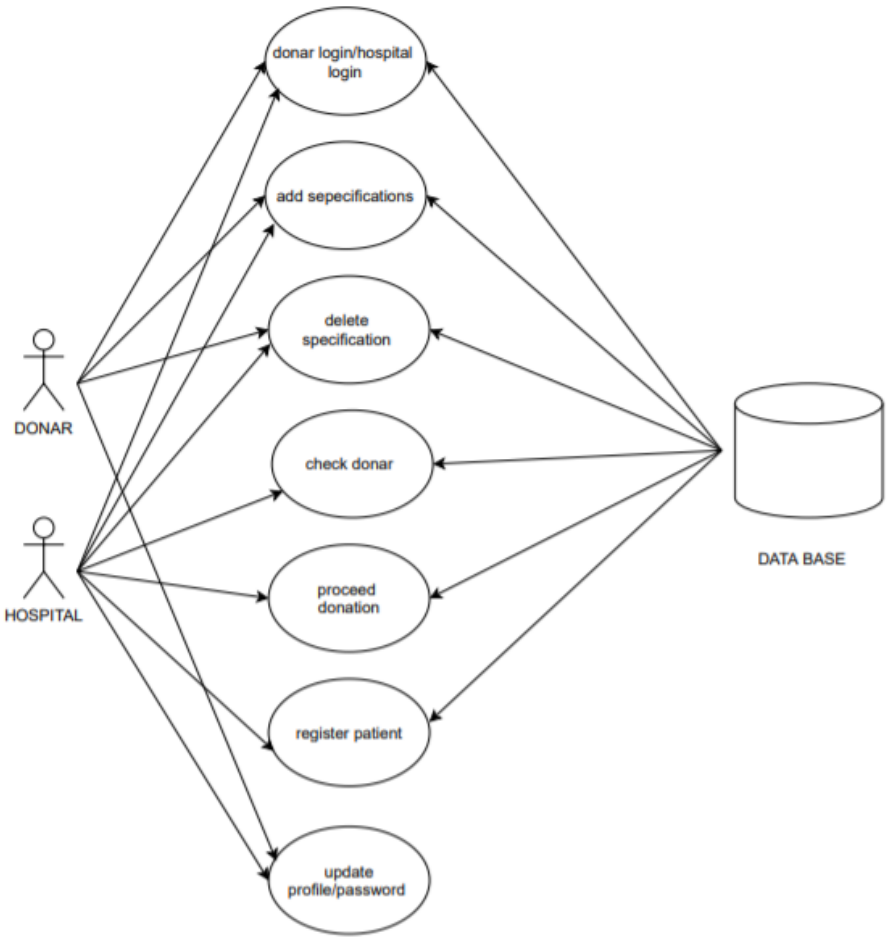
1) Software Architecture

Front End : HTML, CSS, Javascript, JQuery
Back End : PHP, Mysql
Platform : VS code



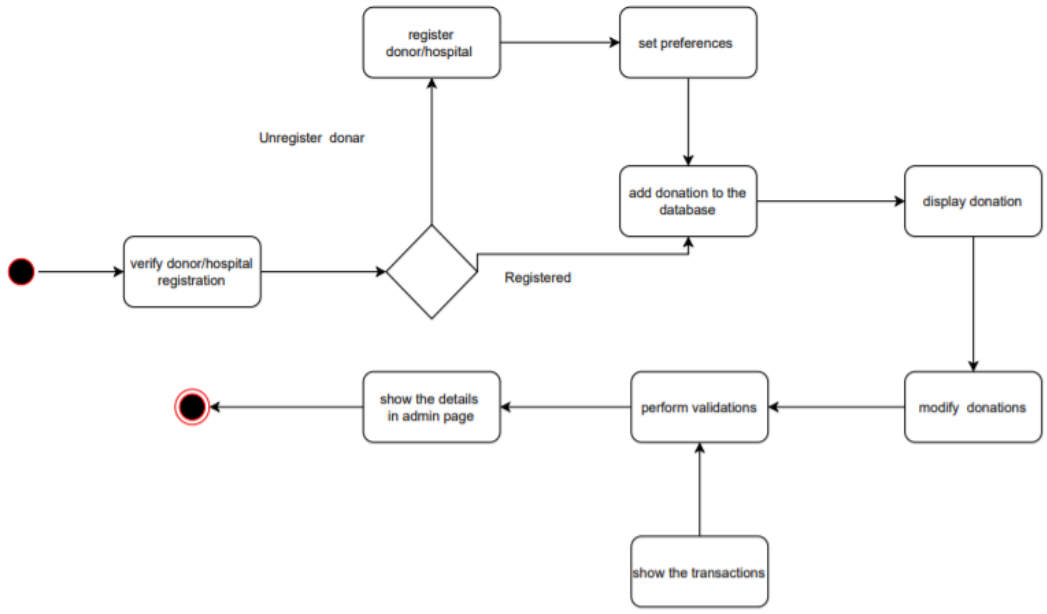
2)UML Diagrams ：

USE CASE DIAGRAM FOR USER

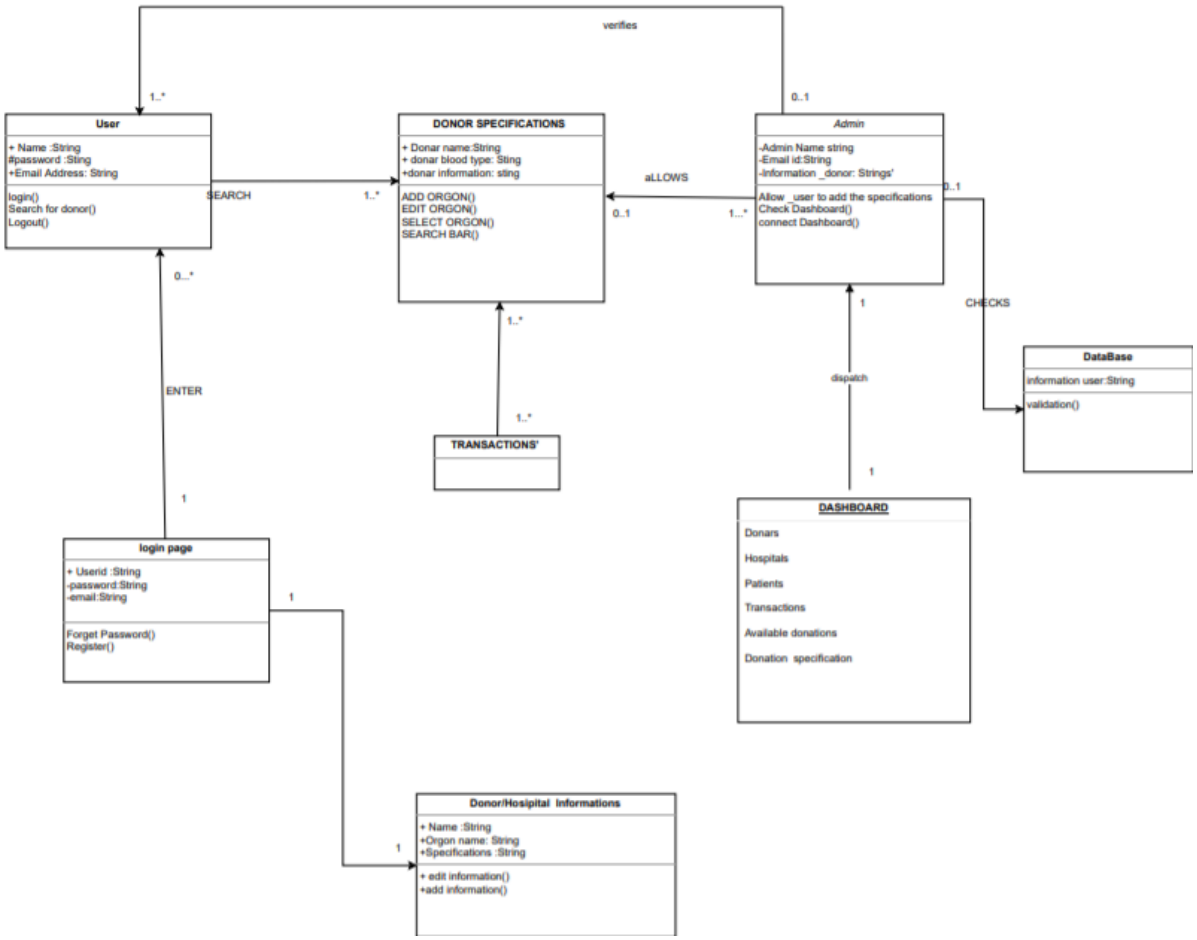


Use Case Diagram - Admin

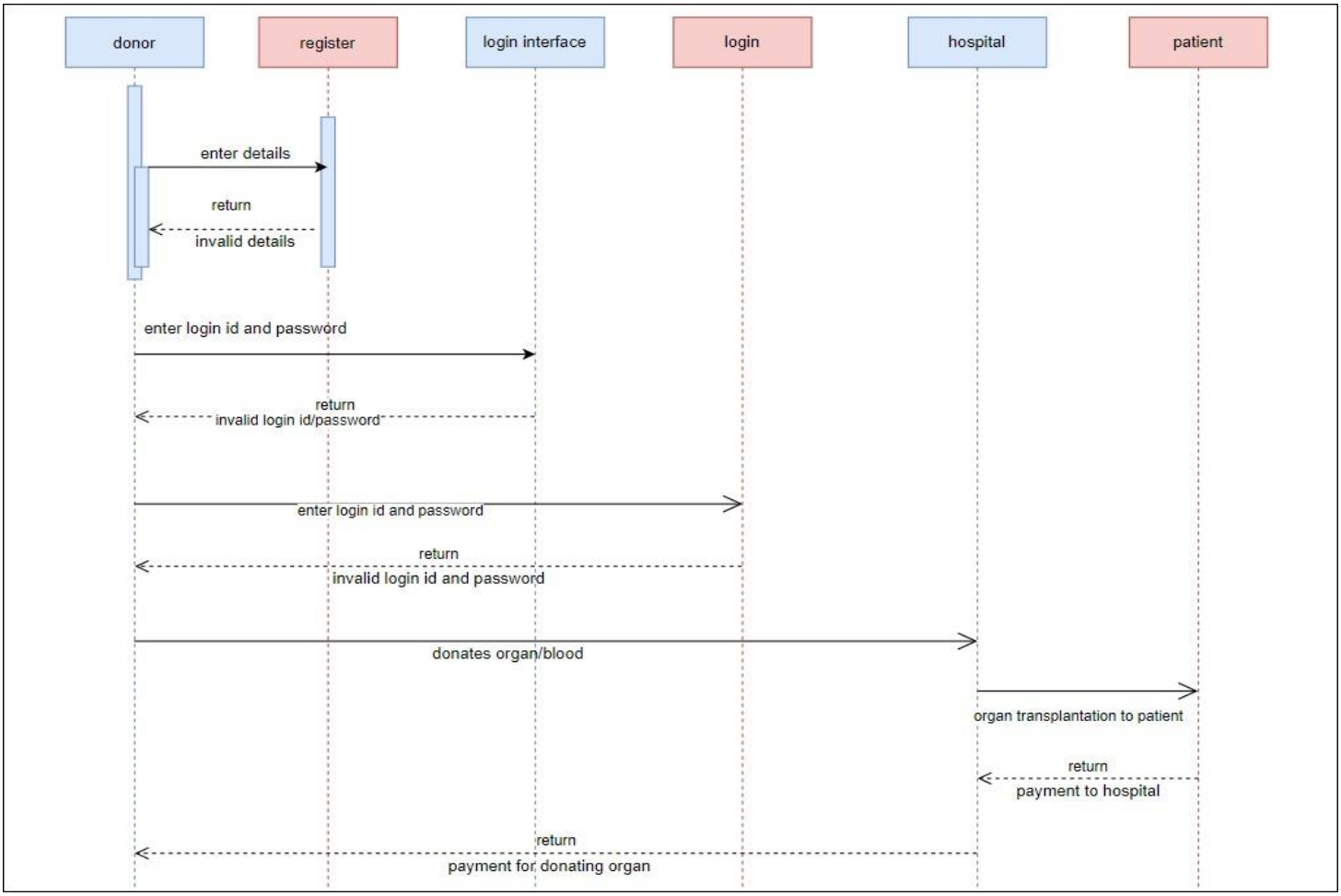
ACTIVITY DIGRAM



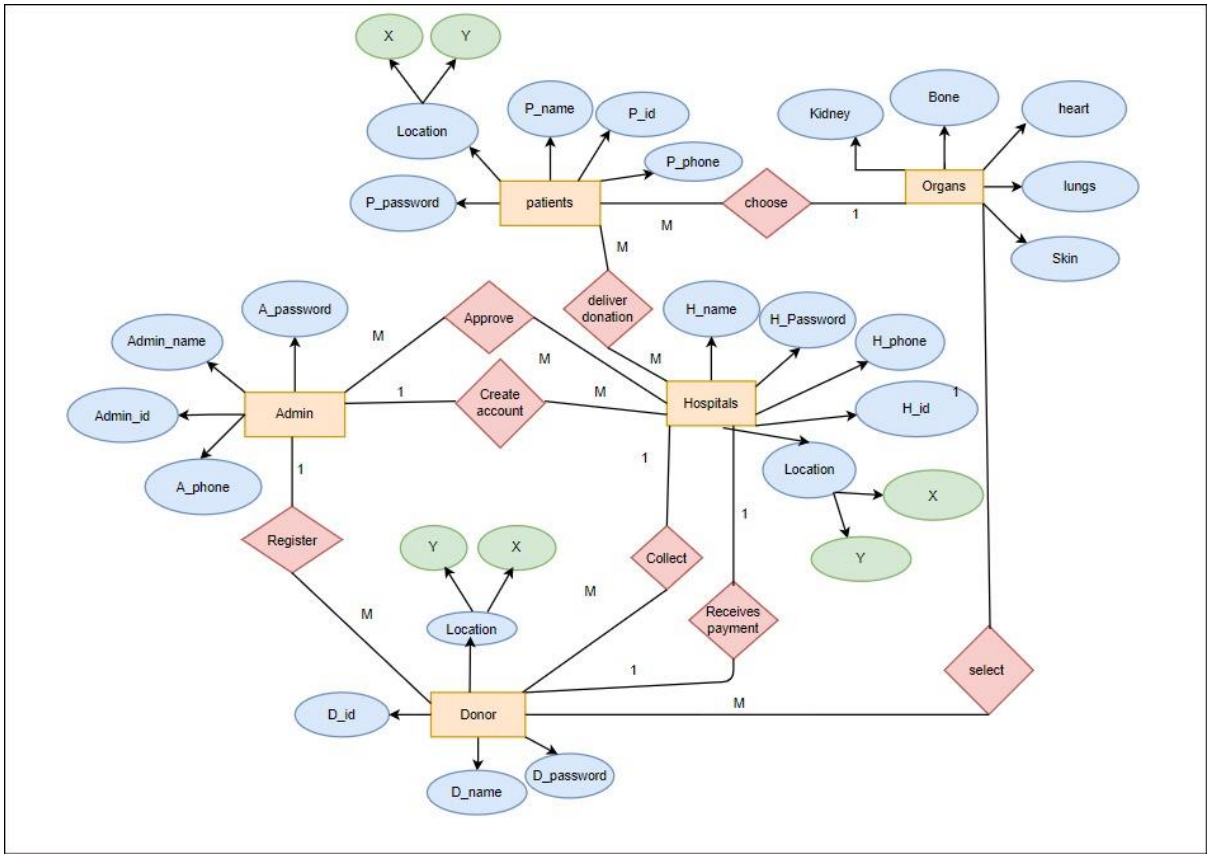
CLASS DIAGRAM



Sequence diagram



Er diagram



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