

SPRINT-4

Date	19 November 2022
Team ID	PNT2022TMID49558
Project Name	Plasma Donor Web Application

INDEX.html:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title></title>

<link rel="stylesheet"href="{ { url_for('static',filename='styles.css') } }">

<style>

```
*{  
margin: 0;  
padding: 0;  
}  
.content{  
width: 1200px;  
height: auto;  
margin: auto;  
position: relative;  
}
```

```
.content .par{  
padding-left: 25px;  
padding-bottom: 25px;  
font-family: Arial;  
color: beige;  
letter-spacing: 1.2px;  
line-height: 30px;  
}
```

```
.content h1{  
font-family: 'Times New Roman';  
font-size: 50px;  
padding-left: 20px;  
margin-top: 9%;  
color: red;  
letter-spacing: 2px;  
}.content .cn{  
width: 160px;  
height: 40px;  
background: #ff7200;  
border: none;  
margin-bottom: 10px;  
margin-left: 20px;  
font-size: 18px;
```

```
border-radius: 10px;
cursor: pointer;
transition: .4s ease;
}
```

```
.content .cna{
text-decoration: none;
color: #000;
transition: .3s ease;
}
```

```
.content span{
color: #ff7200;
font-size: 65px
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="full-page">
```

```
<div class="navbar">
```

```
<div>
```

```
<a href="index.html"></a>
```

```
</div>
```

```
<nav>
```

```

<ul id='MenuItems'>
<li><a href='#>HOME</a></li>
<li><a href="{{ 'login' }}">LOGIN</a></li>
<li><a href="{{ 'register' }}">DONATE PLASMA</a></li>
<li><a href="{{ 'registers' }}">NEED PLASMA? </a></li></ul>

<nav>

</div>

<div class="content">

<h1>PLASMA  DONOR<br>WEB APPLICATION</h1>

<br><br>

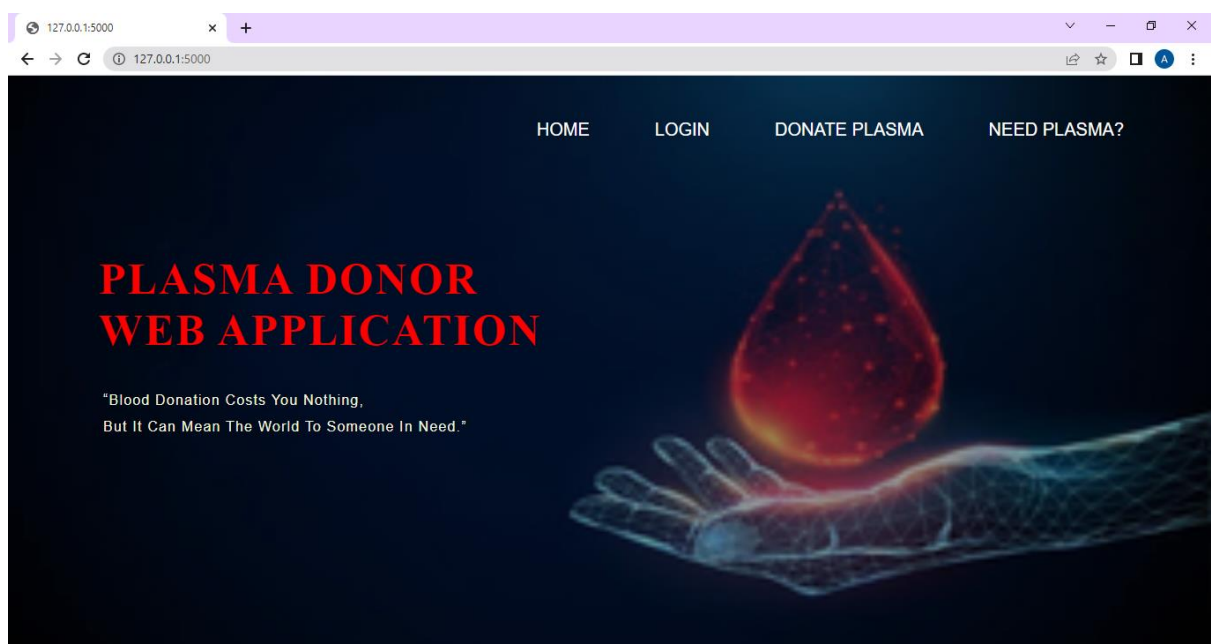
<p class="par"> “Blood Donation Costs You Nothing,<br> But It Can Mean
The World To Someone In Need.”</p>

</div>

</body>

</html>

```



DONOR REGISTER.html:

```
<Html><head>
<title>Registration form</title>
<link rel="stylesheet"href="{ { url_for('static',filename='profile.css') } } ">
</head><center>
<h1 class="word"></h1>
</center>
<body><div class="nav">
<div class="logo">
<a href="/userdashboard"><i class="fasfa-arrow-left"></i></a>
<center><h3>Donor Registration</h3></center>
</div>

</div>

<div class="cont" align="center" >

<h3>
<div class="profile">
<h3>
<form action="{ { url_for('register') } }" method="post">
<table>
<tr>
```

<th>Name:</th>

<td><input type="text" name="username" size="15" /></td>

</tr>

<tr>

<th>Age:</th>

<td><input type="text" name="age" size="15" /></td>

</tr>

<tr>

<th>Bloodgroup:</th>

<td><input type="text" name="bloodgroup" size="15" /></td>

</tr>

<tr>

<th>LastDonateDate:</th>

<td><input type="text" name="lastdonatedate" size="15" /></td>

</tr>

<tr>

<th>Gender:</th>

<td><input type="text" name="gender" size="15" /></td>

</tr>

<tr>

<th>Phone:</th>

<td><input type="text" name="phone" size="15" /></td>

</tr>

<tr>

<th>Address:</th>

<td><input type="text" name="address" size="15" /></td>

</tr>

<tr>

<th>Email:</th>

<td><input type="text" name="email" size="15" /></td>

</tr>

<tr>

<th>Password:</th>

<td><input type="text" name="password" size="15" /></td>

</tr>

<tr>

<th>Confirm Password:</th>

<td><input type="text" name="confirmpassword" size="15" /></td>

</tr>

<tr>

<th>Height:</th>

<td><input type="text" name="height" placeholder="Please write your height in centimetres" size="15" /></td>

</tr>

<tr>

<th>Weight:</th>

<td><input type="text" name="weight" placeholder="Please write your weight in centimetres" size="15" /></td>

</tr>

</table>

<div class="cont" align="center" >

<button><input type="submit" value="REGISTER" /></button>

</div>

</form></div>

</div>

</div>

{{ a }}

</body>

</html>

Name:	abisha
Age:	21
Bloodgroup:	AB-
LastDonateDate:	23-10-2000
Gender:	female
Phone:	9467454101
Address:	852D1.Thavazhakuzhi
Email:	anukumar231001@gmail
Password:	123
Confirm Password:	123
Height:	120
Weight:	45

REGISTER

RECIPIENT REGISTER.html:

<Html>

<head>


```
<title>Registration form</title>

<link rel="stylesheet"href="{ { url_for('static',filename='profile.css') } } ">

</head>

<center>

<h1 class="word"></h1>

</center>

<body>


<div class="nav">

<div class="logo">

<a href="/userdashboard"><i class="fasfa-arrow-left"></i></a>

<center><h3>Recipient Registration</h3></center>

</div>

</div>

<div class="cont" align="center" >

<h3>

<div class="profile">

<h3>

<form action="{ { url_for('registers') } }" method="post">

<table>

<tr>

<th>Name:</th>

<td><input type="text" name="username" size="15" /></td>

</tr>
```

```
<tr>

<th>Age:</th>

<td><input type="text" name="age" size="15" /></td>

</tr>

<tr>

<th>Bloodgroup:</th>

<td><input type="text" name="bloodgroup" size="15" /></td>

</tr>

<tr>

<th>Gender:</th>

<td><input type="text" name="gender" size="15" /></td>

</tr>

<tr>

<th>Phone:</th>

<td><input type="text" name="phone" size="15" /></td>

</tr>

<tr>

<th>Address:</th>

<td><input type="text" name="address" size="15" /></td>

</tr>

<tr>

<th>Email:</th>

<td><input type="text" name="email" size="15" /></td>

</tr>
```

```
<tr>

<th>Password:</th>

<td><input type="text" name="password" size="15" /></td>

</tr>

<tr>

<th>Confirm Password:</th>

<td><input type="text" name="confirmpassword" size="15" /></td>

</tr>

<tr>

<th>Height:</th>

<td><input type="text" name="height" placeholder="Please write your height
in centimetres" size="15" /></td>

</tr>

<tr>

<th>Weight:</th>

<td><input type="text" name="weight" placeholder="Please write your weight
in centimetres" size="15" /></td>

</tr>

</table>

<div class="cont" align="center" >

<button><input type="submit" value="REGISTER" /></button>

</div>

</form>

</div>

</div>
```

</div>

</body>

</html>

The screenshot shows a web browser window with the title 'Registration form' and the address '127.0.0.1:5000/registers'. The page has a red header with the text 'Recipient Registration'. Below the header is a registration form with the following fields:

Name:	ajith
Age:	21
Bloodgroup:	AB-
Gender:	male
Phone:	9467454101
Address:	kuzhithural
Email:	revanjaln04@gmail.co
Password:	123
Confirm Password:	123
Height:	123
Weight:	56

Below the form is a 'REGISTER' button. Below the button is a Gmail interface showing an email from 'karpagamboothanathan@gmail.com' to 'revanjaln04@gmail.com' with the subject 'Hello' and the body 'Thank you...You are successfully registered in plasma donor application.' The email was received on 'Sat, Nov 19, 2022 at 11:11 AM'.

LOGIN.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

```
<title>Login</title>

<link rel="stylesheet"href="{ { url_for('static',filename='coding.css')} }">

<link
href="https://fonts.googleapis.com/css2?family=Kaushan+Script&display=swa
p" rel="stylesheet">

</head>

<body>

<form action="/login" method="post">

<div class="full-page">

<div class="sub-page">

<div class="navigation-bar">

<div class="logo">

<a href='login.html'></a>

</div>

</div>

<div class="row">

<div class="col-1">

<div class="form-box">

<div class="form">

<form class="login-form">

<center><h1 class="main-heading">Login Form</h1></center>

<br>

<input type="text" name="username" placeholder="Enter Your Username"
size="15" />

<br>
```

```
<input type="text" name="password" placeholder="Enter Your password"
size="15" />
```

```
<button>
```

```
<input type="submit" value="LOGIN" />
```

```
</button>
```

```
</form>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<script src='https://code.jquery.com/jquery-3.2.1.min.js'>
```

```
</script>
```

```
<script>
```

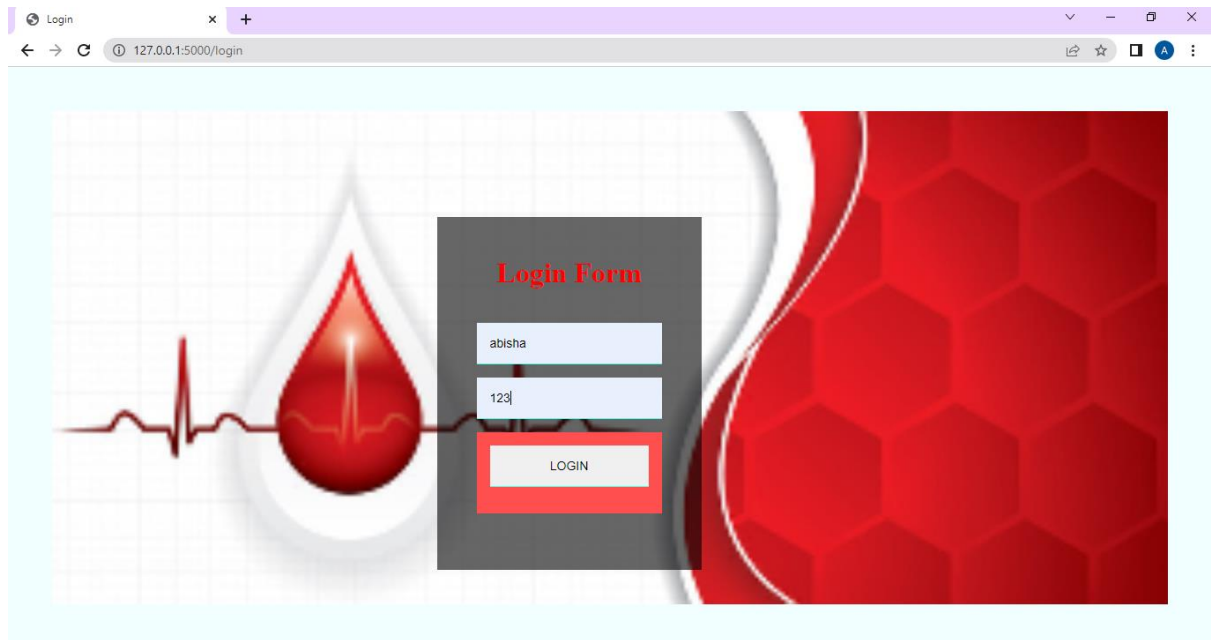
```
    $('.message a').click(function(){ $('form').animate({ height:
"toggle",opacity: "toggle"},"slow");});
```

```
</script>
```

```
</form>
```

```
</body>
```

```
</html>
```



DASHBOARD.html:

```
<!DOCTYPE html>
```

```
<html lang="en" dir="ltr">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<link href='https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css'  
rel='stylesheet'>
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<style>
```

```
    /* Googlefont Poppins CDN Link */
```

```
@import
```

```
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;  
600;700&display=swap');
```

```
*{
```

```
margin: 0;
```

```
padding: 0;
```

```
box-sizing: border-box;
```

```
font-family: 'Poppins', sans-serif;
```

```
}
```

```
.sidebar{
```

```
position: fixed;
```

```
height: 100%;
```

```
width: 240px;
```

```
background: red;
```

```
transition: all 0.5s ease;
```

```
}
```

```
.sidebar.active{
```

```
width: 60px;
```

```
}
```

```
.sidebar .logo-details{
```

```
height: 80px;
```

```
display: flex;
```

```
align-items: center;
```

```
}
```

```
.sidebar .logo-details i{
```

```
font-size: 28px;
```

```
font-weight: 500;
```

```
color: #fff;
```

```
min-width: 60px;
```



```
text-align: center
}

.sidebar .logo-details .logo_name{
color: #fff;
font-size: 24px;
font-weight: 500;
}

.sidebar .nav-links{
margin-top: 10px;
}

.sidebar .nav-links li{
position: relative;
list-style: none;
height: 50px;
}

.sidebar .nav-links li a{
height: 100%;
width: 100%;
display: flex;
align-items: center;
text-decoration: none;
transition: all 0.4s ease;
}

.sidebar .nav-links li a.active{
```

```
background: #081D45;
}

.sidebar .nav-links li a:hover{
background: #081D45;
}

.sidebar .nav-links li i{
min-width: 60px;
text-align: center;
font-size: 18px;
color: #fff;
}

.sidebar .nav-links li a .links_name{
color: #fff;
font-size: 15px;
font-weight: 400;
white-space: nowrap;
}

.sidebar .nav-links .log_out{
position: absolute;
bottom: 0;
width: 100%;
}

nav .profile-details img{
```

```
height: 40px;
width: 40px;
border-radius: 6px;
object-fit: cover;
}
nav .profile-details .admin_name{
font-size: 15px;
font-weight: 500;
color: #333;
margin: 0 10px;
white-space: nowrap;
}
nav .profile-details i{
font-size: 25px;
color: #333;
}
```

```
/* Responsive Media Query */
@media (max-width: 1240px) {
  .sidebar{
width: 80px;
  }
  .sidebar.active{
width: 250px;
```

```
}  
  
.sidebar.active ~ .home-section{  
  /* width: calc(100% - 220px); */  
  overflow: hidden;  
  left: 220px;  
  }  
  
.sidebar.active ~ .home-section nav{  
width: calc(100% - 220px);  
left: 220px;  
  }  
}
```

```
@media (max-width: 1000px) {  
  .overview-boxes .box{  
width: calc(100% / 2 - 15px);  
  
margin-bottom: 15px;  
  }  
}
```

```
@media (max-width: 700px) {  
nav .sidebar-button .dashboard,  
nav .profile-details .admin_name,  
nav .profile-details i{  
display: none;
```

```
}
```

```
@media (max-width: 550px) {
```

```
  .overview-boxes .box{
```

```
width: 100%;
```

```
margin-bottom: 15px;
```

```
}
```

```
  .sidebar.active ~ .home-section nav .profile-details{
```

```
display: none;
```

```
}
```

```
}
```

```
@media (max-width: 400px) {
```

```
  .sidebar{
```

```
width: 0;
```

```
}
```

```
  .sidebar.active{
```

```
width: 60px;
```

```
}
```

```
  .sidebar.active ~ .home-section{
```

```
left: 60px;
```

```
width: calc(100% - 60px);
```

```
}
```

```
}
```

```
  .sidebar.active ~ .home-section nav{
```

```
left: 60px;

width: calc(100% - 60px);

}

}

</style>

</head>

<body>

<div class="sidebar">

<div class="logo-details">

<i class='bxbxl-c-plus-plus'></i>

<span class="logo_name">PLASMA DONOR</span>

</div>

<ul class="nav-links">

<li>

<a href="/profile">

<i class='bxbx-box' ></i>

<span class="links_name">profile</span>

</a>

</li>

<li>

<a href="/display">

<i class='bxbx-box' ></i>

<span class="links_name">Request</span>

</a>
```

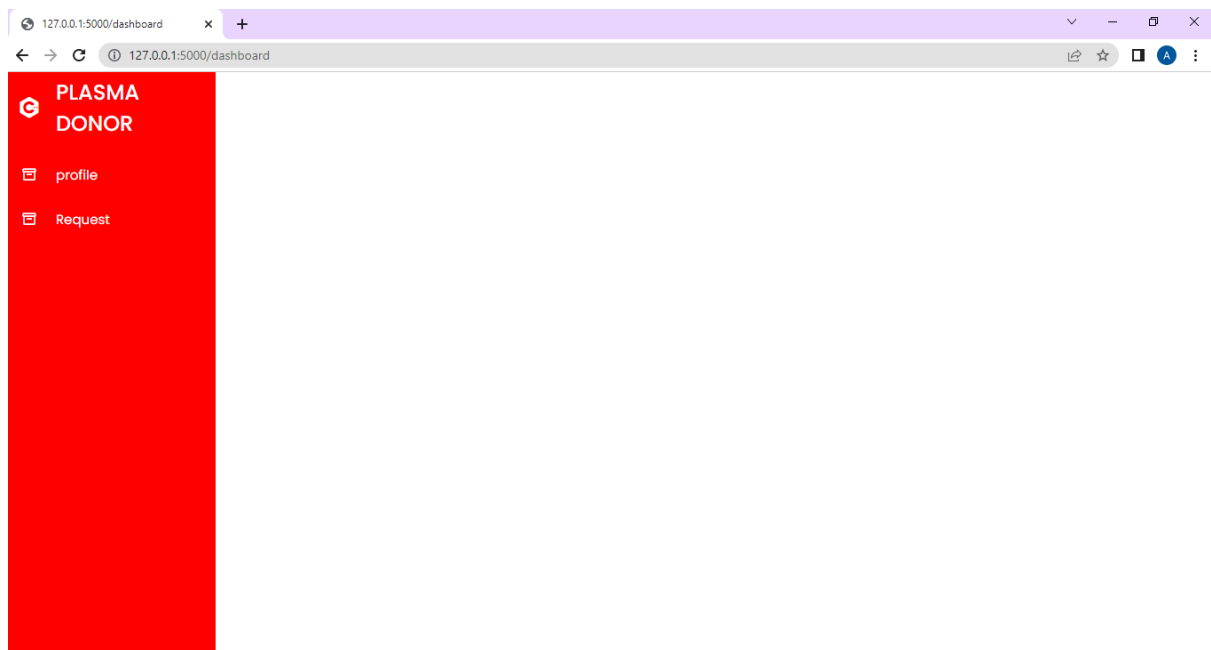

</div>

<section class="home-section">

</script>

</body>

</html>



PROFILE.html

<!DOCTYPE html>

<html lang="en">

<head>

<title>Profile</title>

<link rel="stylesheet"href="{ { url_for('static',filename='profile.css') } } ">

```
</head>

<body><div class="nav">

<div class="logo">

<a href="/userdashboard"><i class="fasfa-arrow-left"></i></a>

<center><h3>Profile</h3></center>

</div>

</div>

<div class="cont" align="center">

<h3>

<div class="profile">

<h3>

<table>

<tr>

<th>Name:</th>

<td>{ { username } }</td>

</tr>

<tr>

<th>Age:</th>

<td>{ { age } }</td>

</tr>

<tr>

<th>BloodGroup:</th>

<td>{ { bloodgroup } }</td>

</tr>
```



```
<tr>

<th>Gender:</th>

<td>{{ gender }}</td>

</tr>

<tr>

<th>Phone:</th>

<td>{{ phone }}</td>

</tr>

<tr>

<th>Address:</th>

<td>{{ address }}</td>

</tr><tr>

<th>E-Mail:</th>

<td>{{ email }}</td>

</tr>

<tr>

<th>Height:</th>

<td>{{ height }}</td>

</tr>

<tr>

<th>Weight</th>

<td>{{ weight }}</td>

</tr>

</table>
```

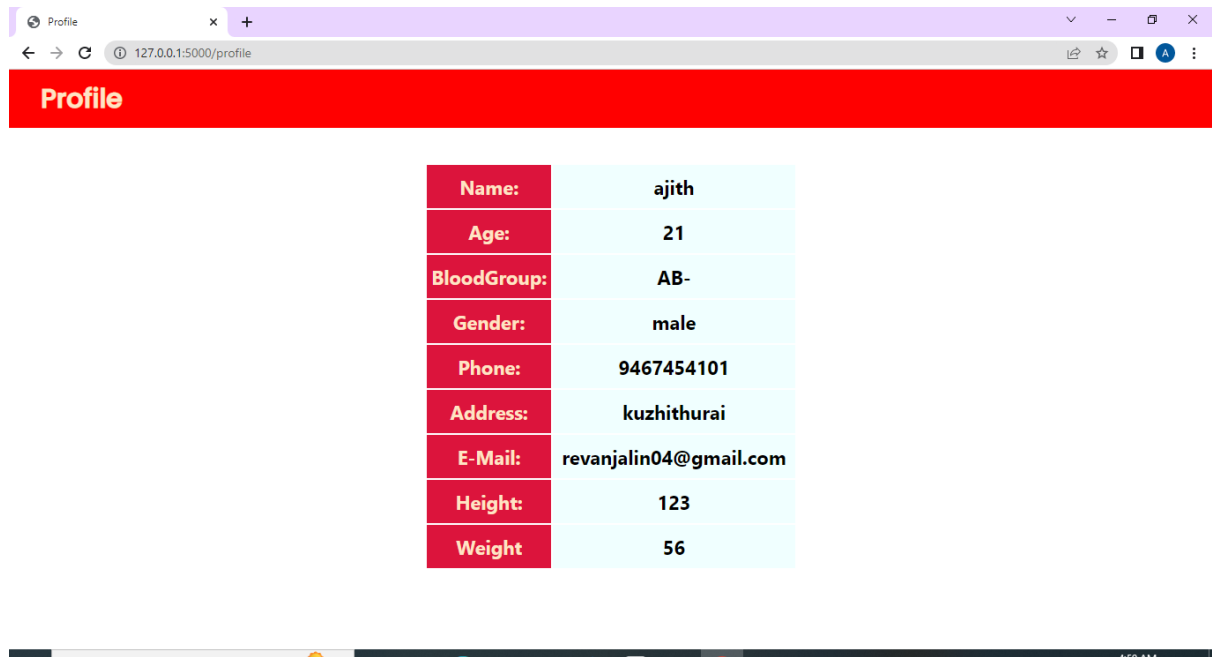
</div>

</div>

</div>

</body>

</html>



DISPLAY.html

<html><head>

<link
rel="stylesheet"href="{ {url_for('static',filename='coding1.css')}}">

</head>

<body>

<div>

<center>

```
<div class="name"><span></span>
```

```
<div class="val">
```

```
    { % for val in data % }
```

```
<div>{{ val }}</div>
```

```
    { % endfor % }
```

```
</div>
```

```
{ % if state == "SENT" % }
```

```
</center><center>
```

```
    <div class="content ">
```

```
        <h1>Request Email Sent Successfully...! </h1>
```

```
    </div>
```

```
</center>{ % else % }
```

```
<form action="/send_email" method="post">
```

```
    <div class="content ">
```

```
        <h1>Requesting plasma!!!<h1></div>
```

```
    <br>
```

```
    <br>
```

```
    <label> Blood Group:</label>
```

```
    <input type="text" name="bloodgroup" value="{{ bloodgroup }}"
placeholder="Enter BloodGroup"/>
```

```
    <br>
```

```
    <br>
```

```
<br>
```

```
<label> Email:</label>
```

```
<input type="text" name="email1" placeholder="Enter Email"/>
```

```
<br>
```

```
<br>
```

```
<button type="submit" class="button1">NOTIFY</button>
```

```
</form>
```

```
{ % endif % }
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

STATIC (style) CODE

```
{margin: 0;
```

```
padding: 0;
```

```
box-sizing: border-box;
```

```
}
```

```
full-page
```

```
{ height: 100vh;
```

```
width: 100%;
```

```
background: azure;
```

```
position: absolute;

}

.sub-page
{
width: 1266px;
height: 559px;
position: absolute;
background: url(bb.jpg);
background-size: cover;
background-position: center;
left: 50px;
top: 50px;
}navigation-bar
{
```





PROFILE.css

```
@import
url("https://fonts.googleapis.com/css2?family=Caesar+Dressing&family=Dancing+Script:wght@500&family=Poppins:wght@400;500&display=swap");

@import
url("https://fonts.googleapis.com/css2?family=Gemunu+Libre&display=swap");
;

@import
url("https://fonts.googleapis.com/css2?family=Roboto+Mono&display=swap");

@import
url("https://fonts.googleapis.com/css2?family=Roboto+Mono&display=swap");

* {

margin: 0;

padding: 0;

}

body {

width: 100%;
```

```
height: 100%;  
  
}  
  
a {  
text-decoration: none;  
  
}  
  
.nav {  
background-color: red;  
padding: 10px;  
display: flex;  
justify-content: space-between;  
  
}  
  
.nav .logo {  
display: flex;  
gap: 10px;  
  
}  
  
.nav .logo i {  
text-align: center;  
color: bisque;  
font-size: 30px;  
  
padding: 8px;  
  
}  
  
.nav .logo h3 {
```

```
color: bisque;

font-size: 30px;

font-family: "Poppins", cursive;

text-align: center;

}

.nav .name {

text-align: center;

color: black;

font-size: 20px;

font-family: "Poppins", cursive;

}

.cont .logo {

color: crimson;

font-size: 90px;

}

.cont .logo i {

border: 4px solid black;

border-radius: 50%;

padding: 4px;

}

.cont .profile {

margin-top: 20px;

width: 60%;

}
```



```
.cont .profile table {  
padding: 20px;  
width: auto;  
font-family: system-ui, -apple-system, BlinkMacSystemFont, "Segoe UI",  
Roboto,  
    Oxygen, Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;  
margin-bottom: 20px;  
}  
.cont .profile tr {  
  
background-color: azure;  
}  
.cont .profile td {  
padding: 10px;  
text-align: center;  
}  
.cont .profile th {  
background-color: crimson;  
color: bisque;  
padding: 5px;  
}  
.cont .profile a {  
  
background-color: gold;
```

```
padding: 10px;

border-radius: 10px;

font-family: "Roboto Mono", monospace;

}
```

STYLE.css

```
*

{

margin: 0;

padding: 0;

box-sizing: border-box;

}

.full-page

{

height: 100%;

    width: 100%;

    background-image: linear-
gradient(rgba(0,0,0,0.4),rgba(0,0,0,0.4)),url(bloodimage1.png);

    background-position: center;

    background-size: cover;

    position: absolute;

}

.navbar

{

display: flex;
```

```
align-items: center;
padding: 20px;
padding-left: 50px;
padding-right: 30px;
padding-top: 50px;
}
nav
{
flex: 1;
text-align: right;
}
navul
{
display: inline-block;
list-style: none;
}
navul li
{
display: inline-block;
margin-right: 70px;
}
navul li a
{
text-decoration: none;
```

```
font-size: 20px;
color: white;
font-family: sans-serif;
}
navul li button
{
font-size: 20px;
color: white;
outline: none;
border: none;
background: transparent;
cursor: pointer;
font-family: sans-serif;
}
navul li button:hover
{
color: aqua;
}
navul li a:hover
{
color: aqua;
}
a
{
```

```
text-decoration: none;
color: palevioletred;
font-size: 28px;
}
#login-form
{
display: none;
}
.form-box
{
width:380px;
    height:480px;
    position:relative;
    margin:2% auto;
    background:rgba(0,0,0,0.3);
    padding:10px;
overflow: hidden;
}
.button-box
{
    width:220px;
    margin:35px auto;
    position:relative;
    box-shadow: 0 0 20px 9px #ff61241f;
```

```
        border-radius: 30px;
    }
.toggle-btn
{
    padding: 10px 30px;
    cursor: pointer;
    background: transparent;
    border: 0;
    outline: none;
    position: relative;
}
#btn
{
    top: 0;
    left: 0;
    position: absolute;
    width: 110px;
    height: 100%;
    background: #F3C693;
    border-radius: 30px;
    transition: .5s;
}
.input-group-login
{
```

```
        top: 150px;
        position: absolute;
        width: 280px;
        transition: .5s;
    }

    .input-group-register
    {
        top: 120px;
        position: absolute;
        width: 280px;
        transition: .5s;
    }

    .input-field
    {
        width: 100%;
        padding: 10px 0;
        margin: 5px 0;
        border-left: 0;
        border-top: 0;
        border-right: 0;
        border-bottom: 1px solid #999;
        outline: none;
        background: transparent;
    }
```

.submit-btn

```
{  
    width: 85%;  
    padding: 10px 30px;  
    cursor: pointer;  
    display: block;  
    margin: auto;  
    background: #F3C693;  
    border: 0;  
    outline: none;  
    border-radius: 30px;  
}
```

.check-box

```
{  
    margin: 30px 10px 34px 0;  
}
```

span

```
{  
    color: #777;  
    font-size: 12px;  
    bottom: 68px;  
    position: absolute;  
}
```

#login


```
{
    left:50px;
}
#login input
{
    color:white;
    font-size:15;
}
#register
{
    left:450px;
}
#register input
{
    color:white;
    font-size: 15;
}
```

APP.PY

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
from flask_mail import Mail, Message
import re
app = Flask(__name__)
```

```
mail = Mail(app) # instantiate the mail class

# configuration of mail
app.config['MAIL_SERVER']='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = 'karpagamboothanathan@gmail.com'
app.config['MAIL_PASSWORD'] = 'nmydiidhksvvojid'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
mail = Mail(app)

app.secret_key = 'a'

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=hn110309;PWD=4q2SvdOKme6RC7Zr",",")

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/login', methods=['GET', 'POST'])
def login():
    msg = ""

    if request.method == 'POST' and 'username' in request.form and 'password' in request.form:
        username = request.form['username']
```

```
password = request.form['password']

stmt = ibm_db.prepare(conn,'SELECT * FROM donor WHERE username = ?
AND password = ?')

ibm_db.bind_param(stmt,1,username)

ibm_db.bind_param(stmt,2,password)

ibm_db.execute(stmt)

account = ibm_db.fetch_tuple(stmt)

stmt = ibm_db.prepare(conn,'SELECT * FROM recipient WHERE username =
? AND password = ?')

ibm_db.bind_param(stmt,1,username)

ibm_db.bind_param(stmt,2,password)

ibm_db.execute(stmt)

account = ibm_db.fetch_tuple(stmt)

if account:

    session['loggedin'] = True

    session['username'] = account[1]

    msg = 'Logged in successfully !'

    return redirect(url_for('dashboard'))

else:

    msg = 'Incorrect username / password !'

    return render_template('login.html', a = msg)

    return render_template('login.html')


@app.route('/dashboard')

def dashboard():
```

```
return render_template('dashboard.html')
```

```
@app.route('/logout')
```

```
def logout():
```

```
    session.pop('loggedin', None)
```

```
    session.pop('id', None)
```

```
    session.pop('username', None)
```

```
    return redirect(url_for('login'))
```

```
@app.route('/profile', methods=["POST", "GET"])
```

```
def profile():
```

```
    if 'username' in session:
```

```
        id = session['username']
```

```
        stmt = ibm_db.prepare(conn, 'SELECT * FROM donor WHERE username = ?')
```

```
        ibm_db.bind_param(stmt, 1, id)
```

```
        ibm_db.execute(stmt)
```

```
        acc = ibm_db.fetch_tuple(stmt)
```

```
        stmt = ibm_db.prepare(conn, 'SELECT * FROM recipient WHERE username = ?')
```

```
        ibm_db.bind_param(stmt, 1, id)
```

```
        ibm_db.execute(stmt)
```

```
        acc = ibm_db.fetch_tuple(stmt)
```

```
        return render_template('profile.html',  
                               username=acc[1],age=acc[2],bloodgroup=acc[3],gender=acc[4],phone=acc[5],a
```

```
ddress=acc[6],email=acc[7],passsword=acc[8],confirmpassword=acc[9],height=acc[10],weight=acc[11])
```

```
returnrender_template('profile.html')
```

```
@app.route('/send_email', methods = ['POST'])
```

```
def send():
```

```
if 'bloodgroup' in request.form:
```

```
type = request.form['bloodgroup']
```

```
remail=request.form['email1']
```

```
stmt = ibm_db.prepare(conn, 'SELECT email FROM donor WHERE  
bloodgroup = ?')
```

```
ibm_db.bind_param(stmt,1,type)
```

```
ibm_db.execute(stmt)
```

```
acc = ibm_db.fetch_tuple(stmt)
```

```
mails = []
```

```
whileacc != False:
```

```
mails.append(acc[0])
```

```
acc = ibm_db.fetch_tuple(stmt)
```

```
msg = Message('Blood Request', sender='karpagamboothanathan@gmail.com',  
recipients=mails)
```

```
msg.body = "I need " + request.form['bloodgroup'] + " Blood(plasma). "  
+remail + " - contact this email to donate"
```

```
mail.send(msg)
```

```
returnrender_template('display.html', state="SENT")
```

```
return 'Please Provide Blood in Form'
```

```
@app.route('/display',methods=["POST","GET"])
```

```
def display():
```

```
ifrequest.method == 'POST':
```

```
    alert = "
```

```
    if 'name' in session:
```

```
        id = session['username']
```

```
        bloodgroup = request.form['bloodgroup']
```

```
        sqlselect = "SELECT * FROM recipient WHERE bloodgroup = ? order by id  
        asc"
```

```
        stmt = ibm_db.prepare(conn,sqlselect)
```

```
        ibm_db.bind_param(stmt, 1, bloodgroup)
```

```
        ibm_db.execute(stmt)
```

```
        acc = ibm_db.fetch_tuple(stmt)
```

```
returnrender_template('display.html',m=alert)
```

```
returnrender_template('display.html')
```

```
@app.route('/register', methods=['GET', 'POST'])
```

```
def register():
```

```
msg = "
if request.method == 'POST':
    username = request.form['username']
    age = request.form['age']
    bloodgroup = request.form['bloodgroup']
    lastdonatedate= request.form['lastdonatedate']
    gender = request.form['gender']
    phone= request.form['phone']
    address= request.form['address']
    email = request.form['email']
    password = request.form['password']
    confirmpassword = request.form['confirmpassword']
    height= request.form['height']
    weight = request.form['weight']
    sql = "SELECT * FROM donor WHERE username = ? "
    stmt = ibm_db.prepare(conn,sql)
    ibm_db.bind_param(stmt,1,username)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    msgg = Message(
        'Hello',
        sender ='karpagamboothanathangmail.com',
        recipients = [email]
    )
```

```
msgg.body = ' Thank you...You are successfully registered in plasma donor  
application.'
```

```
mail.send(msgg)
```

```
if account:
```

```
msg = 'Account already exists !'
```

```
elif not re.match(r'^@]+@[^@]+\.[^@]+', email):
```

```
msg = 'Invalid email address !'
```

```
elif not re.match(r'[A-Za-z0-9]+', username):
```

```
msg = 'Username must contain only characters and numbers !'
```

```
elif not username or not password or not username:
```

```
msg = 'Please fill out the form !'
```

```
else:
```

```
insert_sql = "INSERT INTO
```

```
donor(username,age,bloodgroup,lastdonatedate,gender,phone,address,email,pas  
sword,confirmpassword,height,weight) VALUES(?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)"
```

```
stmt = ibm_db.prepare(conn,insert_sql)
```

```
ibm_db.bind_param(stmt, 1, username )
```

```
ibm_db.bind_param(stmt, 2, age)
```

```
ibm_db.bind_param(stmt, 3, bloodgroup)
```

```
ibm_db.bind_param(stmt, 4, lastdonatedate )
```

```
ibm_db.bind_param(stmt, 5, gender )
```

```
ibm_db.bind_param(stmt, 6, phone )
```

```
ibm_db.bind_param(stmt, 7, address )
```

```
ibm_db.bind_param(stmt, 8, email )
```



```
ibm_db.bind_param(stmt, 9, password )
ibm_db.bind_param(stmt, 10, confirmpassword )
ibm_db.bind_param(stmt, 11, height)
ibm_db.bind_param(stmt, 12, weight )
ibm_db.execute(stmt)

msg = 'You have successfully registered !'

return render_template('donor.html', msg = msg)
```

```
@app.route('/registers', methods =['GET', 'POST'])
def registers():
    msg = "
    if request.method == 'POST':
        username = request.form['username']
        age = request.form['age']
        bloodgroup = request.form['bloodgroup']
        gender = request.form['gender']
        phone= request.form['phone']
        address= request.form['address']
        email = request.form['email']
        password = request.form['password']
        confirmpassword = request.form['confirmpassword']
        height= request.form['height']
        weight = request.form['weight']
        sql = "SELECT * FROM recipient WHERE username = ? "
```

```

stmt = ibm_db.prepare(conn,sql)

ibm_db.bind_param(stmt,1,username)

ibm_db.execute(stmt)

account = ibm_db.fetch_assoc(stmt)

msgg = Message(

    'Hello',

sender ='karpagamboothanathangmail.com',

recipients = [email]

)

msgg.body = ' Thank you...You are successfully registered in plasma donor
application. '

mail.send(msgg)

if account:

msg = 'Account already exists !'

elif not re.match(r'^@]+@[^@]+\.[^@]+', email):

msg = 'Invalid email address !'

elif not re.match(r'[A-Za-z0-9]+', username):

msg = 'Username must contain only characters and numbers !'

elif not username or not password or not username:

msg = 'Please fill out the form !'

else:

insert_sql = "INSERT INTO
recipient(username,age,bloodgroup,gender,phone,address,email,password,confir
mpassword,height,weight) VALUES(?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)"

stmt = ibm_db.prepare(conn,insert_sql)

```

```
ibm_db.bind_param(stmt, 1, username )
ibm_db.bind_param(stmt, 2, age)
ibm_db.bind_param(stmt, 3, bloodgroup)
ibm_db.bind_param(stmt, 4, gender )
ibm_db.bind_param(stmt, 5, phone )
ibm_db.bind_param(stmt, 6, address )
ibm_db.bind_param(stmt, 7, email )
ibm_db.bind_param(stmt, 8, password )
ibm_db.bind_param(stmt, 9, confirmpassword )
ibm_db.bind_param(stmt, 10, height)
ibm_db.bind_param(stmt, 11, weight )
ibm_db.execute(stmt)

msg = 'You have successfully registered !'
returnrender_template('recipient.html', msg = msg)


if __name__ == '__main__':
    app.run(debug = True)
```