# PROJECT DEVELOPMENT PHASE SPRINT 2

TEAM ID	PNT2022TMID48288
PROJECT NAME	PLASMA DONOR APPLICATION

# FLASK APP:

```
from turtle import st
from flask import Flask, render_template, request, redirect, url_for, session, flash
from markupsafe import escape
app = Flask(__name__)
import ibm_db
hostname = "764264db-9824-4b7c-82df-
40d1b13897c2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
uid = "qph68689"
pwd = "igr5nkXqgfIHqv7r"
driver = "{IBM DB2 ODBC DRIVER}"
db = "bludb"
port = "32536"
protocol = "TCPIP"
cert = "abc.crt"
dsn = (
  "DATABASE={0};"
  "HOSTNAME={1};"
  "PORT={2};"
  "UID={3};"
  "SECURITY=SSL;"
  "SSLServerCertificate={4};"
```

```
"PWD={5};"
).format(db, hostname, port, uid, cert, pwd)
print(dsn)
try:
  conn = ibm_db.connect(dsn, "", "")
  print("Connected to data base")
except:
  print("Unable to connect", ibm_db.conn_errormsg())
@app.route('/dashboard')
def welcome():
  return render_template('dashboard.html')
@app.route('/add-donor')
def adddonor():
  return render_template('adddonor.html')
@app.route('/request_1')
def request_1():
  return render_template('request.html')
@app.route('/donor-dashboard')
def donor():
  return render_template('donordashboard.html',msg="WELCOME Donor")
@app.route('/receiver-dashboard')
def receiver():
  return render_template('receiverdashboard.html',msg="WELCOME receiver")
@app.route('/addrec', methods=['POST', 'GET'])
def addrec():
  if request.method == 'POST':
    name = request.form['name']
    username = request.form['username']
```

```
email = request.form['email']
    phone = request.form['phone']
    street = request.form['street']
    city = request.form['city']
    pin = request.form['pin']
    state = request.form['state']
    country = request.form['country']
    bloodgroup = request.form['bloodgroup']
    command = request.form['command']
    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)
    if account:
       return render_template('donordashboard.html', msg2="You are already registered as a
donor")
    else:
       insert_sql = "INSERT INTO donor VALUES (?,?,?,?,?,?,?,?,?,?)"
       prep_stmt = ibm_db.prepare(conn, insert_sql)
       ibm_db.bind_param(prep_stmt, 1, name)
       ibm_db.bind_param(prep_stmt, 2, username)
       ibm_db.bind_param(prep_stmt, 3,email )
       ibm_db.bind_param(prep_stmt, 4, phone)
       ibm_db.bind_param(prep_stmt, 5,street )
       ibm_db.bind_param(prep_stmt, 6, city)
       ibm_db.bind_param(prep_stmt, 7, pin)
       ibm_db.bind_param(prep_stmt, 8,state)
       ibm_db.bind_param(prep_stmt, 9,country)
       ibm_db.bind_param(prep_stmt, 10,bloodgroup )
       ibm_db.bind_param(prep_stmt, 11,command )
       ibm_db.execute(prep_stmt)
```

```
return render_template('donordashboard.html', msg2="Your Data saved successfuly..")
@app.route('/requestplasma', methods=['POST', 'GET'])
def requestplasma():
  if request.method == 'POST':
    name = request.form['name']
    username = request.form['username']
    gender=request.form['gender']
    email = request.form['email']
    phone = request.form['phone']
    bloodgroup=request.form['bloodgroup']
    street = request.form['street']
    city = request.form['city']
    region=request.form['region']
    pin = request.form['pin']
    state = request.form['state']
    country = request.form['country']
    hoscity = request.form['hoscity']
    hosregion=request.form['hosregion']
    hospin = request.form['hospin']
    hosstate = request.form['hosstate']
    hoscountry = request.form['hoscountry']
    sql = "SELECT * FROM receivers 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)
    if account:
       return render_template('receiverdashboard.html', msg2="You are already requested")
    else:
       insert_sql = "INSERT INTO receivers VALUES (?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?)"
```

```
prep_stmt = ibm_db.prepare(conn, insert_sql)
       ibm_db.bind_param(prep_stmt, 1, name)
       ibm_db.bind_param(prep_stmt, 2, username)
       ibm_db.bind_param(prep_stmt, 3, gender)
       ibm_db.bind_param(prep_stmt, 4, bloodgroup)
       ibm_db.bind_param(prep_stmt, 5,email )
       ibm_db.bind_param(prep_stmt, 6, phone)
       ibm_db.bind_param(prep_stmt, 7,street )
       ibm_db.bind_param(prep_stmt, 8, city)
       ibm_db.bind_param(prep_stmt, 9, region)
       ibm_db.bind_param(prep_stmt, 10, pin)
       ibm_db.bind_param(prep_stmt, 11,state)
       ibm_db.bind_param(prep_stmt, 12,country)
       ibm_db.bind_param(prep_stmt, 13, hoscity)
       ibm_db.bind_param(prep_stmt, 14, hosregion)
       ibm_db.bind_param(prep_stmt, 15, hospin)
       ibm_db.bind_param(prep_stmt, 16,hosstate)
       ibm_db.bind_param(prep_stmt, 17,hoscountry )
       ibm_db.execute(prep_stmt)
    return render_template('receiverdashboard.html', msg2="Plasma Requested
Successfully")
if __name__ == '__main__':
  app.run(debug=True)
```

```
{% extends "home.html" %}
{% block navbar %}
class="nav-item">
         <a class="nav-link " href="{{url_for('logout')}}}">Log Out</a>
        {% block heading %}
        <h6 style="color:white; padding-bottom:0px; font-family: 'Times New Roman',
Times, serif; font-size: 22px; ">
        WELCOME
         \{\{msg\}\}\ </h6>
         {% endblock %}
{% endblock %}
{% block content %}
<div class="row" ">
 <div class="col-sm-6" >
  <div class="card" style=" background-color: mintcream; width: max-content;">
   <div class="card-body">
    <h3 class="card-title" style="color: white; background-color: black; width:fit-
content;padding: 12px; border-radius: 5px; font-family: cooper black;">Donor
Dashboard</h3>
    <img src="static\images\plasmadonor.jpg" width="280px;">
```

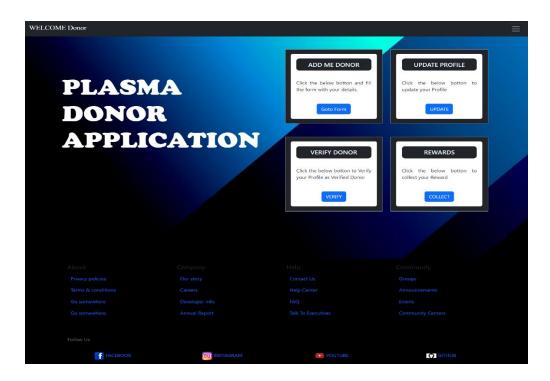
```
<a href="{{url_for('donor')}}" class="btn btn-dark">EXPLORE HERE</a>
   </div>
  </div>
 </div>
 <div class="col-sm-6">
  <div class="card" style=" background-color: mintcream;;width: max-content;">
   <div class="card-body">
    <h3 class="card-title" style="color: white; background-color: black; width:fit-
content;padding: 12px; border-radius: 5px; font-family: cooper black;">Receiver
Dashboard</h3>
    <img src="static\images\plasmareceive.jpg" width="280px; ">
    <a href="{{url_for('receiver')}}" class="btn btn-dark" style="text-align:
center;">EXPLORE HERE</a>
   </div>
  </div>
 </div>
</div>
{% endblock %}
```



## DONOR DASHBOARD:

```
<div class="row gy-5">
   <div class="col-6">
    <div class="p-3 border bg-dark overflow-hidden" ><div class="card" >
      <div class="card-body">
       <h5 class="card-title bg-dark" style=" color:aliceblue;border-radius :10px;
padding:10px;">ADD ME DONOR</h5><br>
       Click the below botton and fill the
form with your details.
       <a href="/add-donor" class="btn btn-primary">Goto Form</a>
      </div>
     </div>
    </div>
   </div>
   <div class="col-6">
    <div class="p-3 border bg-dark">
      <div class="card">
   <div class="card-body">
    <h5 class="card-title bg-dark" style=" color:aliceblue;border-radius :10px;
padding:10px;">UPDATE PROFILE</h5><br>
    Click the below botton to update
your Profile<br>
    <a href="#" class="btn btn-primary">UPDATE</a>
   </div>
  </div>
    </div>
   </div>
   <div class="col-6">
    <div class="p-3 border bg-dark">
      <div class="card">
   <div class="card-body">
    <h5 class="card-title bg-dark" style="color:aliceblue;border-radius:10px;
padding:10px;">VERIFY DONOR</h5><br>
```

```
Click the below botton to Verify
your Profile as Verified Donor
   <a href="#" class="btn btn-primary">VERIFY</a>
  </div>
 </div>
   </div>
  </div>
  <div class="col-6">
   <div class="p-3 border bg-dark">
     <div class="card">
  <div class="card-body">
   <h5 class="card-title bg-dark" style=" color:aliceblue;border-radius :10px;
padding:10px;">REWARDS</h5><br>
   Click the below botton to collect
your Reward<br>
   <a href="#" class="btn btn-primary">COLLECT</a>
  </div>
 </div>
   </div>
  </div>
 </div>
 </div>
{% endblock %}
```



#### ADD ME AS DONOR:

```
k rel="stylesheet" href="https://use.fontawesome.com/releases/v5.5.0/css/all.css"
integrity="sha384-
B4dIYHKNBt8Bc12p+WXckhzcICo0wtJAoU8YZTY5qE0Id1GSseTk6S+L3BlXeVIU"
crossorigin="anonymous">
   min-height: 100%;
   body, div, form, input, select, textarea, label {
   padding: 0;
   margin: 0;
   outline: none;
   font-family: Roboto, Arial, sans-serif;
   font-size: 14px;
   color: #666;
   line-height: 22px;
     margin:0;
   font-family: cooper black;
   font-size: 60px;
   color: #fff;
   z-index: 2;
   padding: 15px;
   legend {
   padding: 10px;
   font-family:COOPER BLACK;
   font-size: 22px;
   color:black;
   textarea {
   width: calc(100% - 12px);
```

```
padding: 5px;
   .testbox {
   display: flex;
   justify-content: center;
   align-items: center;
   height: inherit;
   padding: 20px;
   form {
   width: 100%;
   padding: 20px;
   border-radius: 6px;
   background: #fff;
   box-shadow: 0 0 8px #006622;
   .banner {
   position: relative;
   height: 250px;
   background-image:
url("/uploads/media/default/0001/02/cc6bc584f236c7234947015b89151ab6d04c4cbf.jpeg");
   background-size: cover;
   display: flex;
   justify-content: center;
   align-items: center;
   text-align: center;
   .banner::after {
   content: "";
   background:linear-gradient(to right,black,blue,black);
   position: absolute;
   width: 100%;
   height: 100%;
```

```
input, select, textarea {
   margin-bottom: 10px;
   border: 1px solid #ccc;
   border-radius: 3px;
   input {
   width: calc(100% - 10px);
   padding: 5px;
   width: calc(100% - 12px);
   padding: 5px;
   .item:hover p, .item:hover i, .question:hover p, .question label:hover,
input:hover::placeholder {
   color: #006622;
   .checkbox input[type=checkbox] {
   display:inline-block;
   height:15px;
   width:15px;
   margin-right:5px;
   vertical-align:text-top;
   .item input:hover, .item select:hover, .item textarea:hover {
   border: 1px solid transparent;
   box-shadow: 0 0 3px 0 #006622;
   color: #006622;
   .item {
   position: relative;
   margin: 10px 0;
   .item span {
   color: red;
```

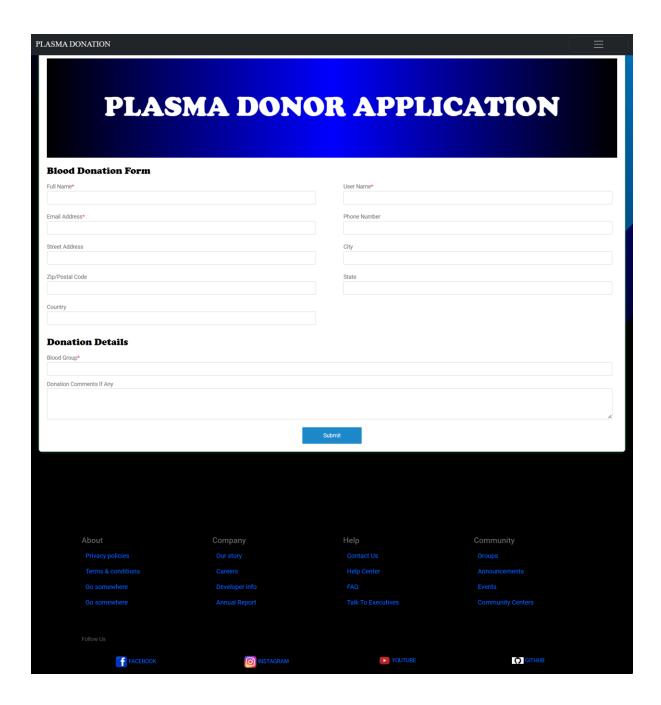
```
.week {
display:flex;
justfiy-content:space-between;
.colums {
display:flex;
justify-content:space-between;
flex-direction:row;
flex-wrap:wrap;
.colums div {
width:48%;
input[type=radio], input[type=checkbox] {
display: none;
label.radio {
position: relative;
display: inline-block;
margin: 5px 20px 15px 0;
cursor: pointer;
.question span {
margin-left: 30px;
.question-answer label {
display: block;
label.radio:before {
content: "";
position: absolute;
left: 0;
width: 17px;
```

```
height: 17px;
border-radius: 50%;
border: 2px solid #ccc;
input[type=radio]:checked + label:before, label.radio:hover:before {
border: 2px solid #006622;
label.radio:after {
content: "";
position: absolute;
top: 6px;
left: 5px;
width: 8px;
height: 4px;
border: 3px solid #006622;
border-top: none;
border-right: none;
transform: rotate(-45deg);
opacity: 0;
input[type=radio]:checked + label:after {
opacity: 1;
.flax  {
display:flex;
justify-content:space-around;
.btn-block {
margin-top: 10px;
text-align: center;
button {
width: 150px;
padding: 10px;
```

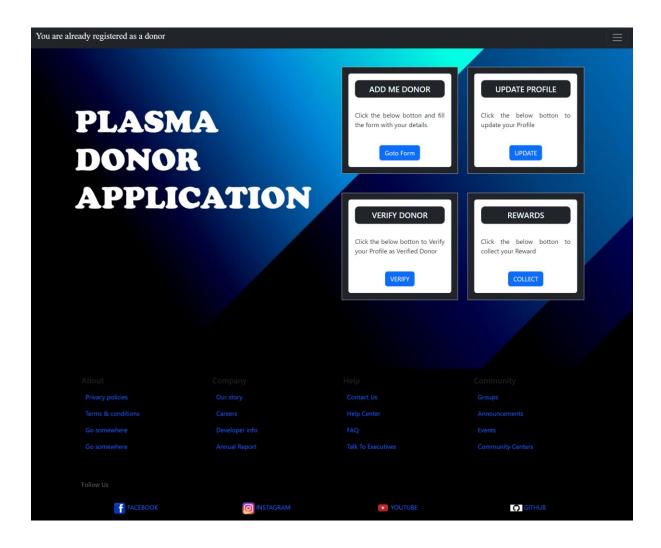
```
border: none;
   border-radius: 5px;
   background: #1c87c9;
   font-size: 16px;
   color: #fff;
   cursor: pointer;
   button:hover {
   background: #0692e8;
   @media (min-width: 568px) {
   .name-item, .city-item {
   display: flex;
   flex-wrap: wrap;
   justify-content: space-between;
   .name-item input, .name-item div {
   width: calc(50% - 20px);
   .name-item div input {
   width:97%;}
   .name-item div label {
   display:block;
   padding-bottom:5px;
{% endblock %}
{% block body %}
<div class="testbox">
  <form action="{{url_for('addrec')}}" method="post">
```

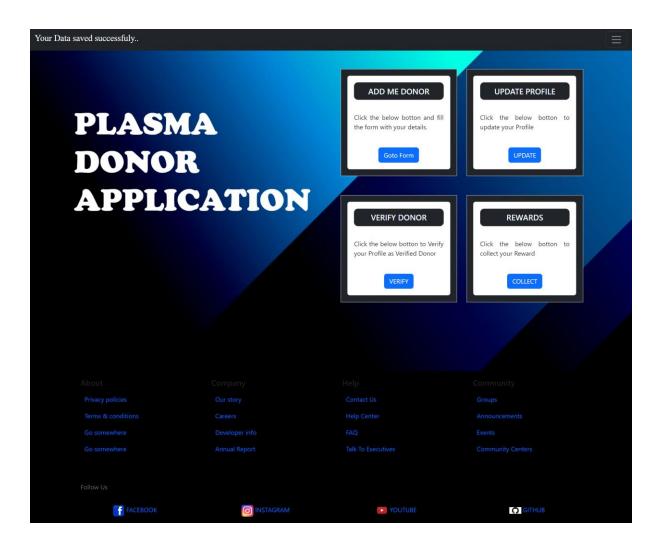
```
<div class="banner">
 <h1 style="font-size: 70px;">PLASMA DONOR APPLICATION</h1>
</div>
 <le>egend>Blood Donation Form</legend></le>
 <div class="colums">
  <div class="item">
   <label for="name">Full Name<span>*</span></label>
   <input id="name" type="text" name="name" required>
  </div>
  <div class="item">
   <label for="username"> User Name<span>*</span></label>
   <input id="username" type="text" name="username" required />
  </div>
  <div class="item">
   <label for="email">Email Address<span>*</span></label>
   <input id="email" type="email" name="email" required />
  </div>
  <div class="item">
   <label for="phone">Phone Number</label>
   <input id="phone" type="number" name="phone" required/>
  </div>
  <div class="item">
   <label for="street">Street Address</label>
   <input id="street" type="text" name="street" required />
  </div>
  <div class="item">
   <label for="city">City</label>
   <input id="city" type="text" name="city" required />
  </div>
  <div class="item">
```

```
<label for="pin">Zip/Postal Code</label>
   <input id="pin" type="text" name="pin" required/>
  </div>
  <div class="item">
   <label for="state">State</label>
   <input id="state" type="text" name="state" required />
  </div>
  <div class="item">
   <label for="country">Country</label>
   <input id="country" type="text" name="country" required />
  </div>
</fieldset>
<le>egend>Donation Details</le>
<div class="colums">
</div>
<div class="item">
<label for="group">Blood Group<span>*</span></label>
<input id="group" type="text" name="bloodgroup" />
</div>
<div class="item">
<label for="donation">Donation Comments If Any</label>
<textarea id="donation" rows="3" name="command"></textarea>
</div>
```



# Already registered:

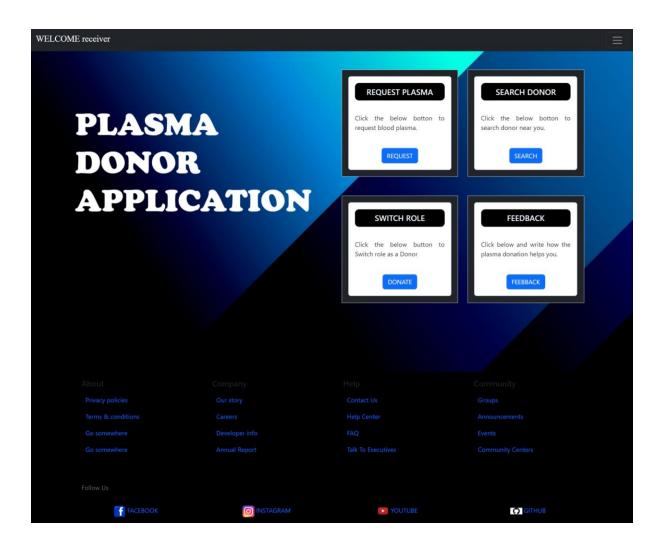




## **RECEIVER DASHBOARD:**

```
<h6 style="color:white; padding-bottom:0px; font-family: 'Times New Roman',
Times, serif; font-size: 22px; ">
        \{\{msg\}\}\{\{msg2\}\}\ </h6>
        {% endblock %}
{% endblock %}
{% block content %}
<div class="container overflow-hidden text-center" style="margin-top:30px;">
 <div class="row gy-5">
  <div class="col-6">
   <div class="p-3 border bg-dark"><div class="card">
     <div class="card-body">
      <h5 class="card-title" style="background-color: black; color:aliceblue;border-radius
:10px; padding:10px;">REQUEST PLASMA</h5><br>
      Click the below botton to request
blood plasma.
      <a href="/request_1" class="btn btn-primary">REQUEST</a>
     </div>
    </div>
   </div>
  </div>
  <div class="col-6">
   <div class="p-3 border bg-dark">
     <div class="card">
  <div class="card-body">
   <h5 class="card-title" style="background-color: black; color:aliceblue;border-radius
:10px; padding:10px;">SEARCH DONOR</h5><br>
   Click the below botton to search
donor near you.<br>
   <a href="#" class="btn btn-primary">SEARCH</a>
  </div>
 </div>
   </div>
```

```
</div>
  <div class="col-6">
   <div class="p-3 border bg-dark">
     <div class="card">
  <div class="card-body">
   <h5 class="card-title" style="background-color: black; color:aliceblue;border-radius
:10px; padding:10px;"> SWITCH ROLE</h5><br>
   Click the below button to Switch role
as a Donor<br>
   <a href="{{url_for('donor')}}" class="btn btn-primary">DONATE</a>
  </div>
 </div>
   </div>
  </div>
  <div class="col-6">
  <div class="p-3 border bg-dark">
     <div class="card">
  <div class="card-body">
   <h5 class="card-title" style="background-color: black; color:aliceblue;border-radius
:10px; padding:10px;">FEEDBACK</h5><br>
   Click below and write how the
plasma donation helps you.
   <a href="#" class="btn btn-primary">FEEBBACK</a>
  </div>
 </div>
   </div>
  </div>
 </div>
</div>
{% endblock %}
```



# **REQUEST PLASMA:**

```
{% endblock %}
 {% endblock %}
{% block head %}
<link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700"</pre>
rel="stylesheet">
  k rel="stylesheet" href="https://use.fontawesome.com/releases/v5.5.0/css/all.css"
integrity="sha384-
B4dIYHKNBt8Bc12p+WXckhzcICo0wtJAoU8YZTY5qE0Id1GSseTk6S+L3B1XeVIU"
crossorigin="anonymous">
   min-height: 100%;
   body, div, form, input, select, p {
   padding: 0;
   margin: 0;
   outline: none;
   font-family: Roboto, Arial, sans-serif;
   font-size: 14px;
   color: #666;
   line-height: 22px;
 margin:0;
  font-family: cooper black;
 font-size: 60px;
 color: #fff;
 z-index: 2;
 padding: 15px;
```

```
span.required {
color: red;
.testbox {
display: flex;
justify-content: center;
align-items: center;
height: inherit;
padding: 20px;
form {
width: 100%;
padding: 20px;
border-radius: 6px;
background: #fff;
box-shadow: 0 0 30px 0 #095484;
.banner {
position: relative;
height: 180px;
background-size: cover;
display: flex;
justify-content: center;
align-items: center;
text-align: center;
.banner::after {
content: "";
background:linear-gradient(to right,black,blue,black);
position: absolute;
```

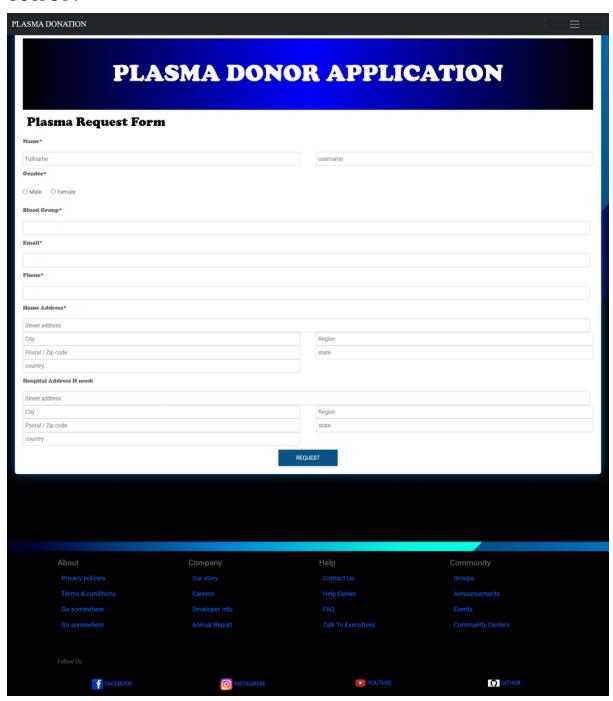
```
width: 100%;
height: 100%;
p.top-info {
margin: 10px 0;
input, select {
margin-bottom: 10px;
border: 1px solid #ccc;
border-radius: 3px;
input {
width: calc(100% - 10px);
padding: 5px;
select {
width: 100%;
padding: 7px 0;
background: transparent;
.item:hover p, .question:hover p, .question label:hover, input:hover::placeholder {
color: #095484;
.item input:hover, .item select:hover {
border: 1px solid transparent;
box-shadow: 0 0 5px 0 #095484;
color: #095484;
.item {
position: relative;
margin: 10px 0;
.question input {
width: auto;
```

```
margin: 0;
border-radius: 50%;
.question input, .question span {
vertical-align: middle;
.question label {
display: inline-block;
margin: 5px 20px 15px 0;
.btn-block {
margin-top: 10px;
text-align: center;
button {
width: 150px;
padding: 10px;
border: none;
border-radius: 5px;
background: #095484;
font-size: 16px;
color: #fff;
cursor: pointer;
background: #0666a3;
@media (min-width: 568px) {
.name-item, .city-item {
display: flex;
flex-wrap: wrap;
justify-content: space-between;
.name-item input, .city-item input {
```

```
width: calc(50\% - 20px);
  .city-item select {
  width: calc(50\% - 8px);
{% endblock %}
{% block body %}
<div class="testbox">
 <form action="/requestplasma" method="post">
  <div class="banner">
    <h1 style="font-size:60px;;">PLASMA DONOR APPLICATION</h1>
  </div>
  <h2 style="font-family:COOPER BLACK;padding:10px; color:black">Plasma Request
Form</h2>
   <div class="item">
    Name<span class="required">*</span>
    <div class="name-item">
     <input type="text" name="name" placeholder="Fullname" required/>
     <input type="text" name="username" placeholder="username" required/>
    </div>
   </div>
   <div class="question">
    Gender<span class="required">*</span>
    <div class="question-answer">
     <label><input type="radio" value="none" name="gender" required/>
<span>Male</span></label>
     <label><input type="radio" value="none" name="gender" required/>
<span>Female</span></label>
    </div>
   </div>
```

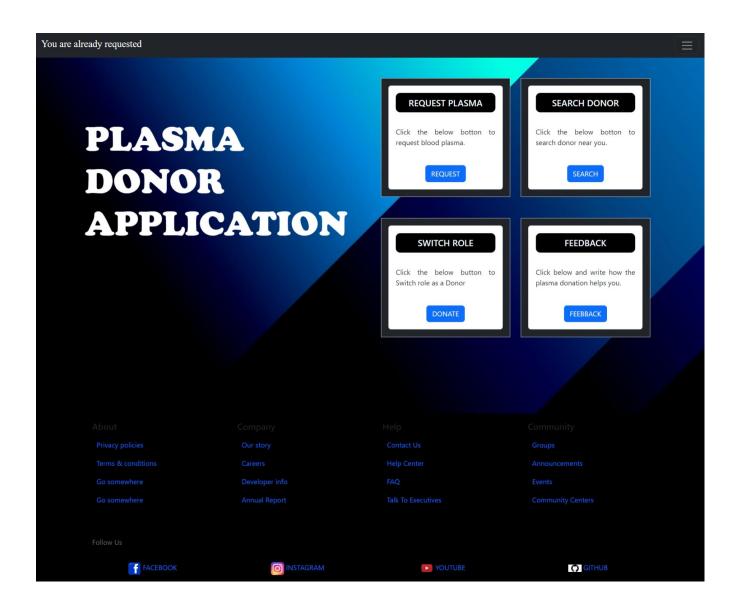
```
<div class="item">
   Blood Group<span</pre>
class="required">*</span>
<input type="text" name="bloodgroup" required/>
  </div>
  <div class="item">
   Email<span class="required">*</span>
   <input type="email" name="email" required/>
  </div>
  <div class="item">
   Phone<span class="required">*</span>
   <input type="text" name="phone"/>
  </div>
  <div class="item">
   Home Address<span</pre>
class="required">*</span>
   <input type="text" name="street" placeholder="Street address" required/>
   <div class="city-item">
    <input type="text" name="city" placeholder="City" required/>
    <input type="text" name="region" placeholder="Region" required/>
    <input type="text" name="pin" placeholder="Postal / Zip code" required/>
    <input type="text" name="state" placeholder="state" required/>
    <input type="text" name="country" placeholder="country" required/>
   </div>
   </div>
```

```
<div class="item">
    Hospital Address If need:
    <input type="text" name="hosstreet" placeholder="Street address" />
    <div class="city-item">
     <input type="text" name="hoscity" placeholder="City" >
     <input type="text" name="hosregion" placeholder="Region"/>
     <input type="text" name="hospin" placeholder="Postal / Zip code" />
     <input type="text" name="hosstate" placeholder="state" required/>
     <input type="text" name="hoscountry" placeholder="country" />
    </div>
   </div>
   <div class="btn-block">
    <button type="submit" value="submit">REQUEST</button>
   </div>
  </form>
</div>
{% endblock %}
```

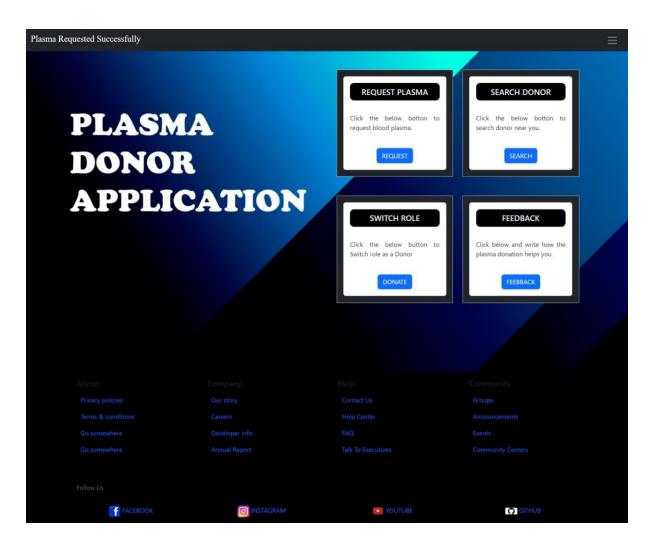


# TEST CASES:

YOU ARE ALREADY REQUESTED:

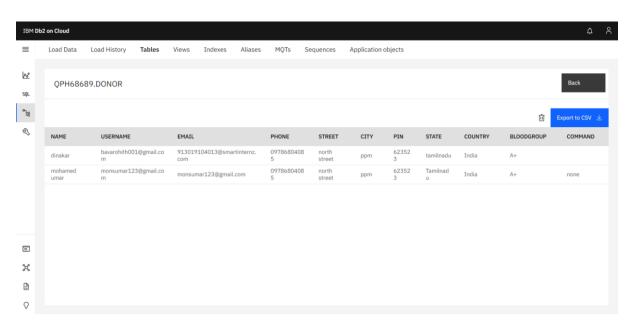


REQUESTED SUCCESSFULLY:



## **DATABASE LIST:**

#### Donor details:



Receiver details:

