

# PROJECT DEVELOPMENT PHASE

## SPRINT 1

TEAM ID	PNT2022TMID48288
PROJECT NAME	PLASMA DONOR APPLICATION

### Flask Application:

```
from turtle import st
from flask import Flask, render_template, request, redirect, url_for, session
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:
    db2 = ibm_db.connect(dsn, "", "")
    print("Connected to data base")
except:
    print("Unable to connect", ibm_db.conn_errormsg())

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

@app.route('/signin')
def signin():
    return render_template("signin.html")
```

```

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

@app.route('/logout')
def logout():
    return render_template('webpage.html')

@app.route('/dashboard')
def welcome():
    return render_template('dashboard.html')

@app.route('/log-in', methods=['POST', 'GET'])
def log_in():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        sql = "select * from user where username=? and password=?"
        stmt = ibm_db.prepare(db2, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        dic = ibm_db.fetch_assoc(stmt)
        print(dic)
        if dic:
            msg = username
            return render_template('dashboard.html', msg=msg)
        else:
            msg = "Invalid Username or Password"
            return render_template('signin.html', msg=msg)

    elif request.method == 'GET':
        msg = "Invalid Username or Password"
        return render_template('signin.html', msg=msg)

@app.route('/sign-up', methods=['POST', 'GET'])
def sign_up():
    if request.method == 'POST':
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        repassword = request.form['repassword']
        sql = "SELECT * FROM user WHERE username =?"
        stmt = ibm_db.prepare(db2, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)

        if account:
            return render_template('signup.html', msg="Username Already Taken")

```

```

if request.form['password'] == request.form['repassword']:

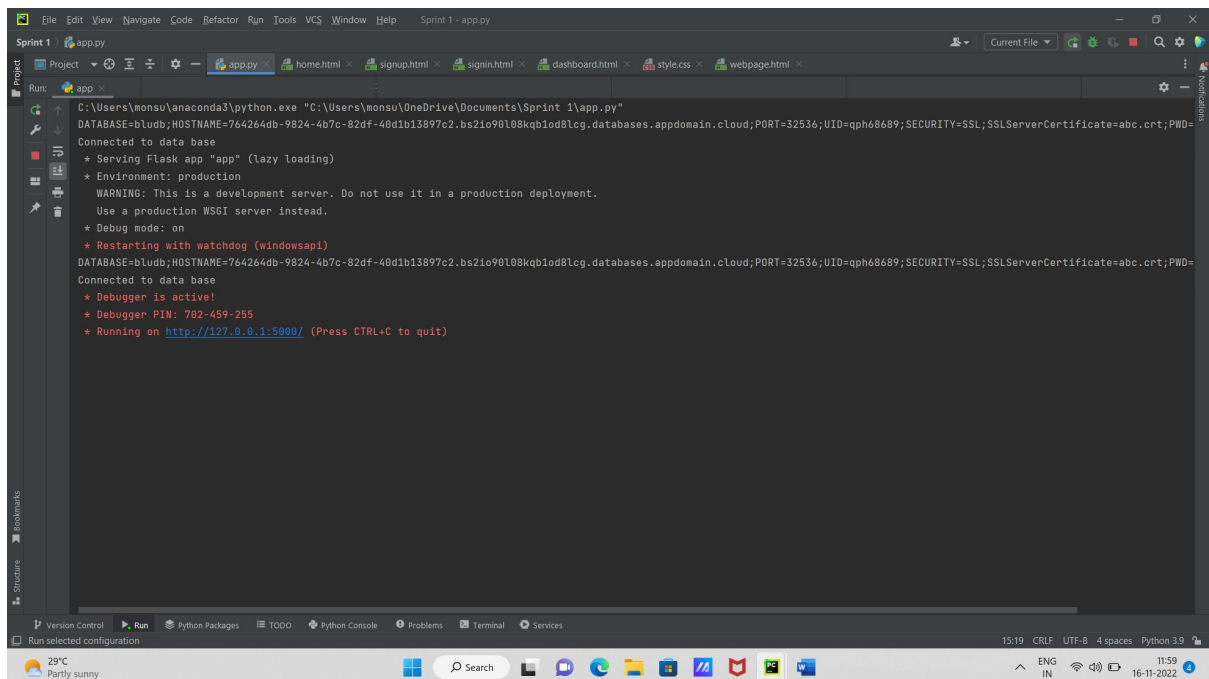
    sql = "insert into user(username,email,password,repassword) values(?,?,?,?)"
    prep_stmt = ibm_db.prepare(db2, sql)
    ibm_db.bind_param(prepare_stmt, 1, username)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, password)
    ibm_db.bind_param(prepare_stmt, 4, repassword)
    ibm_db.execute(prepare_stmt)
    return render_template('signin.html ', msg="Account Created Successfully.")
else:
    return render_template('signup.html ', msg="Please enter password and repassword correctly")

elif request.method == 'GET':
    return render_template('signup.html')

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

```

## Output:



```

C:\Users\monsu\anaconda3\python.exe "C:\Users\monsu\OneDrive\Documents\Sprint 1\app.py"
DATABASE=bludb;HOSTNAME=764264db-9824-4b7c-82df-40d1b13897c2.bs21e90l08kqb1od8lcg.databases.appdomain.cloud;PORT=32536;UID=qph68689;SECURITY=SSL;SSLServerCertificate=abc.crt;PWD=
Connected to data base
* Serving Flask app "app" (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Restarting with watchdog (windowsapi)
DATABASE=bludb;HOSTNAME=764264db-9824-4b7c-82df-40d1b13897c2.bs21e90l08kqb1od8lcg.databases.appdomain.cloud;PORT=32536;UID=qph68689;SECURITY=SSL;SSLServerCertificate=abc.crt;PWD=
Connected to data base
* Debugger is active!
* Debugger PIN: 702-459-255
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)

```

## Homepage:

```
<html xmlns="http://www.w3.org/1999/html">
  <head>
    {% block head %}
      {% endblock %}
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
      href="https://fonts.googleapis.com/css2?family=Indie+Flower&family=Zilla+Slab:ital,wght@1,700&display=s
      wap" rel="stylesheet">
      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet"
      integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
      crossorigin="anonymous">
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-
    OEReA2EqJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
    crossorigin="anonymous"></script>
    <script src="https://kit.fontawesome.com/e3edc23546.js" crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js" integrity="sha384-
    oBqDVMmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlhm/jp3"
    crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.min.js" integrity="sha384-
    IDwe1+LCz02ROU9k972gdyvl+AESN10+x7tBKgc9I5HFtuNz0wWnPclzo6p9vxnk"
    crossorigin="anonymous"></script>

    <link rel="stylesheet" href="https://plasmasonation.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css"
    type="text/css">

    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.6.3/css/all.css" integrity="sha384-
    UHRtZLI+pbxtHCWp1t77Bi1L4ZtiqrqD80Kn4Z8NTSRyMA2Fd33n5dQ8lWUE00s/"
    crossorigin="anonymous">
  </head>

  <body background="https://plasmasonation.s3.jp-tok.cloud-object-storage.appdomain.cloud/bg.jpg">

    <nav class="navbar navbar-dark bg-dark fixed-top">
      <div class="container-fluid">
        <a class="navbar-brand" href="https://en.wikipedia.org/wiki/Flask_(web_framework)" STYLE="font-
        family:times new roman;">PLASMA DONATION</a>
        <button class="navbar-toggler" type="button" data-bs-toggle="offcanvas" data-bs-
        target="#offcanvasDarkNavbar" aria-controls="offcanvasDarkNavbar">
          <span class="navbar-toggler-icon"></span>
        </button>
        <div class="offcanvas offcanvas-end text-bg-dark" tabindex="-1" id="offcanvasDarkNavbar" aria-
        labelledby="offcanvasDarkNavbarLabel">
          <div class="offcanvas-header">
            <h5 class="offcanvas-title" id="offcanvasDarkNavbarLabel">Flask</h5>
            <button type="button" class="btn-close btn-close-white" data-bs-dismiss="offcanvas" aria-
            label="Close"></button>
          </div>

          {% block navbar %}
            <div class="offcanvas-body">
              <ul class="navbar-nav justify-content-end flex-grow-1 pe-3">

                <li class="nav-item">
```

```

        <a class="nav-link " aria-current="page" href="{{ url_for('signin') }}">Signin</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="{{url_for('signup')}}">Signup</a>
    </li>
</ul>

{% endblock %}

    <form class="d-flex mt-3" role="search">
        <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
        <button class="btn btn-success" type="submit">Search</button>
    </form>
</div>
</div>
</div>
</nav><br><br>
<br>

{% block body %}<br><br>
<center>

    <div class="container text-center">
        <div class="row">
            <div class="col"><br><br><br><br><br>
                {% block div1 %}
                <h1 class="h1">PLASMA DONOR APPLICATION </h1>
            </div>
            <div class="col">
                {% block content %}
                <div class="card" style="MARGIN-top:60PX; margin-left:100px; border-radius:0px 20px 0px 20px; width:fit-content; background-image: linear-gradient(to bottom right, white,white,white ,blue,black);">
                    

                    <div class="card-body" ><br>

                        <a href="/signin" class="btn btn-dark btn-lg" style=" font-family: 'Zilla Slab', serif; ">SIGN IN</a>
                    </div>
                </div>

            </div>
        </div>
    </div>

    <div class="card text-center" style="background-color:black; text-align:bottom; ">

        <div class="container text-center">
            <div class="row">
                <div class="col">
                    <div class="card-body">
                        <h5 class="card-title" style="text-align:left;">About </h5>
                    <table cellpadding="10" >
                        <tr>

```

```
        <td> <a class="dn" href="#" class="">Privacy policies</a></td></tr>
        <tr>
        <td><a class="dn" href="#" class="">Terms & conditions </a></td>
    </tr>
    <tr>
    <td> <a class="dn" href="#" class="">Go somewhere</a></td>
</tr>
    <tr>
    <td> <a class="dn" href="#" class="">Go somewhere</a></td>
</tr>
</table>
</div></div>
```

```
        <div class="col">
        <div class="card-body">
        <h5 class="card-title" style="text-align:left;">Company</h5>
        <table cellpadding="10" >
        <tr>
        <td> <a class="dn" href="#" class="">Our story</a></td></tr>
        <tr>
        <td><a class="dn" href="#" class="">Careers</a></td>
    </tr>
    <tr>
    <td> <a class="dn" href="#" class="">Developer info</a></td>
</tr>
    <tr>
    <td> <a class="dn" href="#" class="">Annual Report</a></td>
</tr>
</table></div>
</div>
```

```
        <div class="col">
        <div class="card-body">
        <h5 class="card-title" style="text-align:left">Help</h5>
        <table cellpadding="10" >
        <tr>
        <td> <a class="dn" href="#" class="">Contact Us</a></td></tr>
        <tr>
        <td><a class="dn" href="#" class="">Help Center</a></td>
    </tr>
    <tr>
    <td> <a class="dn" href="#" class="">FAQ</a></td>
</tr>
    <tr>
    <td> <a class="dn" href="#" class="">Talk To Executives</a></td>
</tr>
</table></div>
</div>
```

```
        <div class="col">
        <div class="card-body">
        <h5 class="card-title" style="text-align:left;">Community</h5>
        <table cellpadding="10" >
        <tr>
        <td> <a class="dn" href="#" class="">Groups</a></td></tr>
        <tr>
```

[illegible]

## Output:



## Signin:

```
{% extends "home.html" %}

{% block navbar %}

<li class="nav-item ">
  <a class="nav-link disabled" href="{{url_for('signin')}}">Sign In</a>
</li>

<li class="nav-item">
  <a class="nav-link" href="{{url_for('signup')}}">Sign Up</a>
</li>

{% endblock %}
```



```

{% block content %}

<center>

    <form class="was-validated" action = "{{ url_for('log_in') }}" method = "POST">
        <div style=" background-image: linear-gradient(to bottom right, white,white,white ,blue,black); width:fit-
content; border-radius: 30px; margin:50px;">
<div style="padding:30px;">

        <div class="card-title">

            
            <br>

            <div class="card-body">
                <div class="badge bg-primary text-wrap" style="width: 8rem; padding-top: 10px;">

                    <label for="username" class="form-label">Username </label>
                    </div>
                    <font color="white">:</font>

                    <input type="text" class="col" placeholder="Enter a Username" id="username" name="username"
required >

                </div>
                <br>

                <div class="col">
                    <div class="badge bg-primary text-wrap" style="width: 8rem; padding-top: 10px;">

                        <label for="password" class="form-label">Password </label>
                        </div>
                        <font color="white">:</font>

                        <input type="text" class="col" id="password" placeholder="Enter Password" name="password"
                        pattern="(?!.*\d)(?!.*[a-z])(?!.*[A-Z]).{8,}"
                        title="Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more
characters and match password"
                        required>

                    </div><h6 style="color:red; padding-top:20px;">{{ msg }}</h6>
                    <br>
                    <div class="col-12">
                        <button class="btn btn-primary" type="submit">SIGN IN </button>
                    </div><br>
                    <h5 style="font-style: italic;color:black; ">Already have an account? <a href="{{ url_for('signup') }}"
style="text-decoration: none; font-style: italic;color:YELLOW; font-family:times new roman; ">sign
up</a></h5>
                    </div>


                </div>

            </center>
        </form>
    {% endblock %}


```

## Output:

PLASMA DONATION



# PLASMA DONOR APPLICATION



Username

Password

SIGN IN

*Already have an account? [sign up](#)*

About

[Privacy policies](#)

[Terms & conditions](#)

[Go somewhere](#)

[Go somewhere](#)

Company

[Our story](#)

[Careers](#)

[Developer info](#)

[Annual Report](#)

Help

[Contact Us](#)

[Help Center](#)

[FAQ](#)

[Talk To Executives](#)

Community

[Groups](#)

[Announcements](#)

[Events](#)

[Community Centers](#)

Follow Us

 FACEBOOK

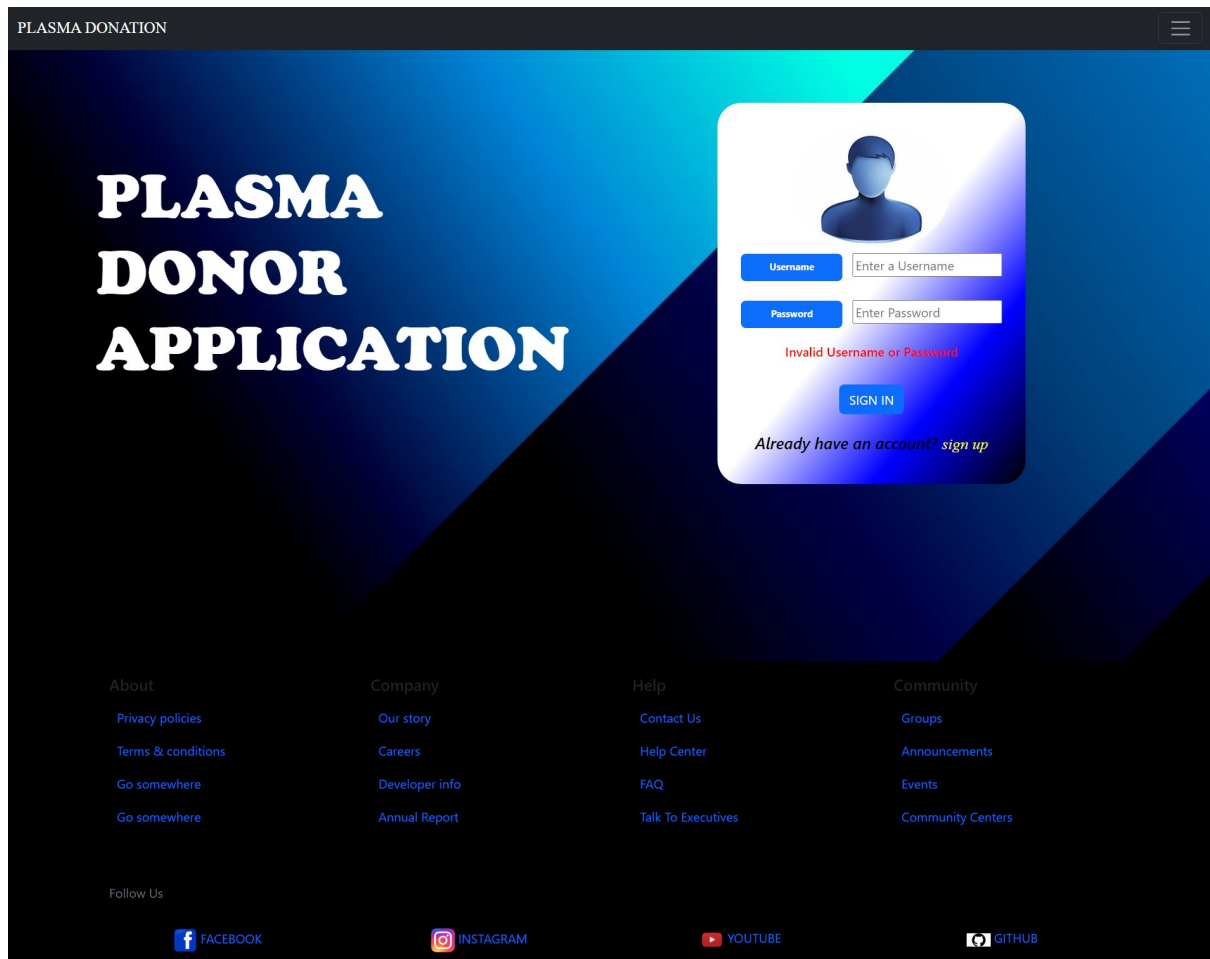
 INSTAGRAM

 YOUTUBE

 GITHUB

## Test cases:

### Invalid username or password .



## Signup:

```
{% extends "home.html" %}

{% block navbar %}

<li class="nav-item">
  <a class="nav-link" href="{{url_for('signin')}}">Sign In</a>
</li>

<li class="nav-item">
  <a class="nav-link disabled" href="{{url_for('signup')}}">Sign Up</a>
</li>
```

```

{% endblock %}

{% block content %}
<br>
<br>
<br>

<center>
  <form action = "{{ url_for('sign_up') }}" method = "POST">
    <div style=" background-image: linear-gradient(to bottom right, white,white,white ,blue,black); width:fit-
content; border-radius: 30px; ">
<div style="padding: 20px;">

    <br >

<!--      <h2 style="font-family:fajita; color:black; background-image: linear-gradient(to
right,blue,skyblue,blue); padding: 15px;-->
<!--      width: fit-content; border-radius: 30px;">Sign Up </h2-->
<!--      -->

  <br>

  <div class="container text-center">

    <div class="col">
      <div class="badge bg-primary text-wrap" style="width: 8rem; padding-top: 10px;">

        <label for="username" class="form-label">Username </label>
        </div>
        <font color="white">:</font>

        <input type="text" class="col" placeholder="Enter a Username" id="username" name="username"
required>

      </div><br>

      <div class=""mb-3"">
        <div class="badge bg-primary text-wrap" style="width: 8rem; padding-top: 10px;">

          <label for="exampleInputEmail1" class="form-label">Email Id </label>
          </div>
          <font color="white">:</font>

          <input type="email" class="col" placeholder="Enter a email" id="exampleInputEmail1" name="email"
required>

        </div>
        <br>

      <div class="col">
        <div class="badge bg-primary text-wrap" style="width: 8rem; padding-top: 10px;">

          <label for="password" class="form-label">Password </label>

```

```

    </div>
    <font color="white">:</font>

    <input type="password" class="col" placeholder="Enter Password" id="password" name="password"
      pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}"
      title="Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more
characters"
      required>

  </div>
  <br>

  <div class="col">
    <div class="badge bg-primary text-wrap" style="width: 8rem; padding-top: 10px;">

      <label for="repassword" class="form-label">Re-Enter Password </label>
    </div>
    <font color="white">:</font>

    <input type="password" class="col" id="repassword" placeholder="Re-Enter Password"
name="repassword"
      pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}"
      title="Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more
characters and match password"
      required>

  </div>
  <br>

</div><h6 style="color:red; padding-top:10px; border-radius:30px;">{{msg}}</h6>


  <br>
  <div class="col-12">
    <button class="btn btn-primary" type="submit">SIGN UP </button>
  </div>

</div>
</div>
</div>
</center>
</form>
{% endblock %}


```

## Output:

PLASMA DONATION



# PLASMA DONOR APPLICATION



**Username**

**Email Id**

**Passowrd**

**Re-Enter Password**

**SIGN UP**

About

- [Privacy policies](#)
- [Terms & conditions](#)
- [Go somewhere](#)
- [Go somewhere](#)

Company

- [Our story](#)
- [Careers](#)
- [Developer info](#)
- [Annual Report](#)


Help


- [Contact Us](#)
- [Help Center](#)
- [FAQ](#)
- [Talk To Executives](#)


Community


- [Groups](#)
- [Announcements](#)
- [Events](#)
- [Community Centers](#)

Follow Us

 FACEBOOK

 INSTAGRAM

 YOUTUBE


 GITHUB

**Test cases:**

**Username already taken:**

PLASMA DONATION

PLASMA  
DONOR  
APPLICATION



Username

Enter a Username

Email Id

Enter a email

Password

Enter Password

Re-Enter Password

Re-Enter Password

Username Already Taken

SIGN UP

About

Privacy policies

Terms & conditions

Go somewhere

Go somewhere

Company

Our story

Careers

Developer info

Annual Report

Help

Contact Us

Help Center

FAQ

Talk To Executives

Community


Groups


Announcements


Events


Community Centers

Follow Us

 FACEBOOK

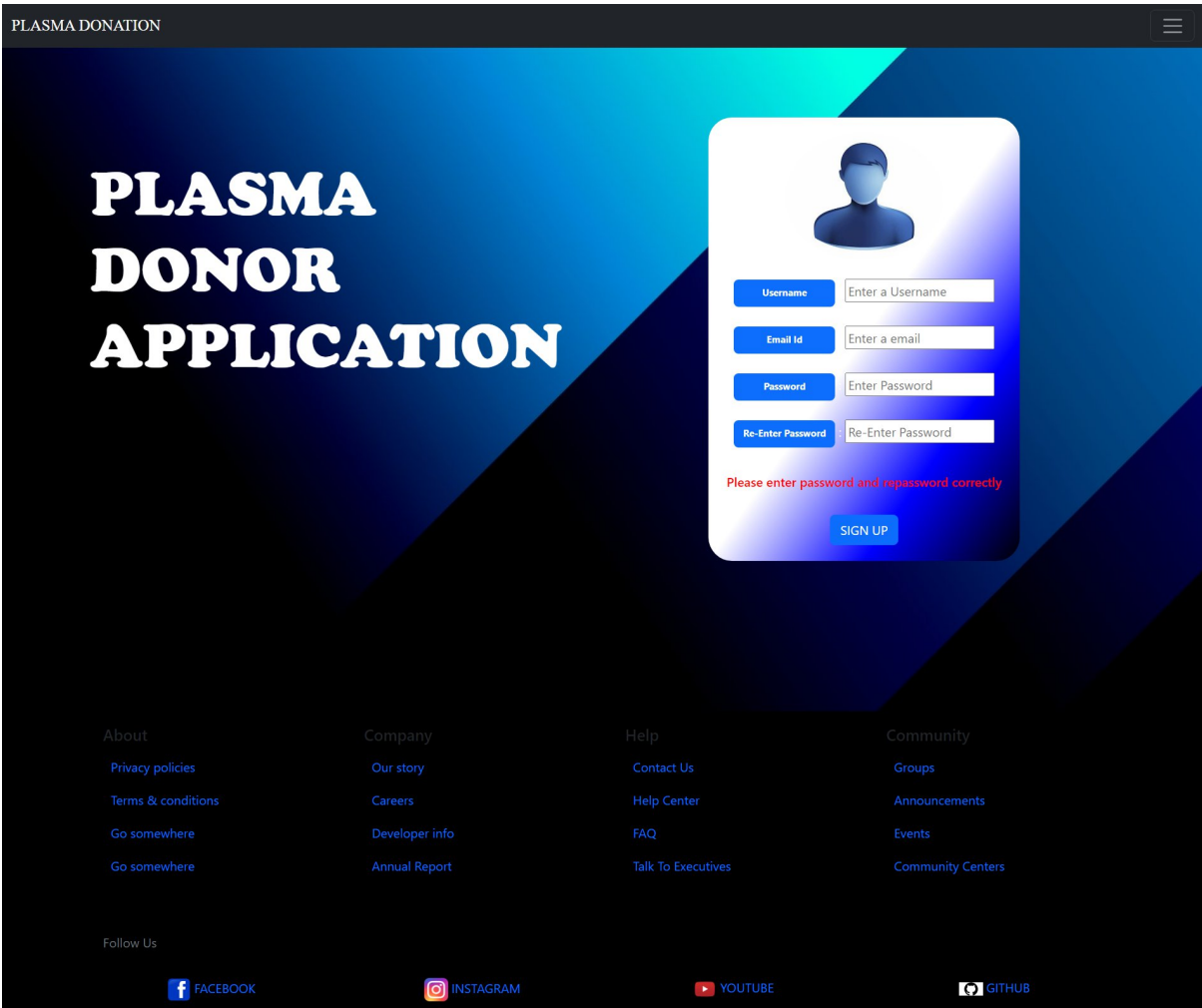
 INSTAGRAM

 YOUTUBE

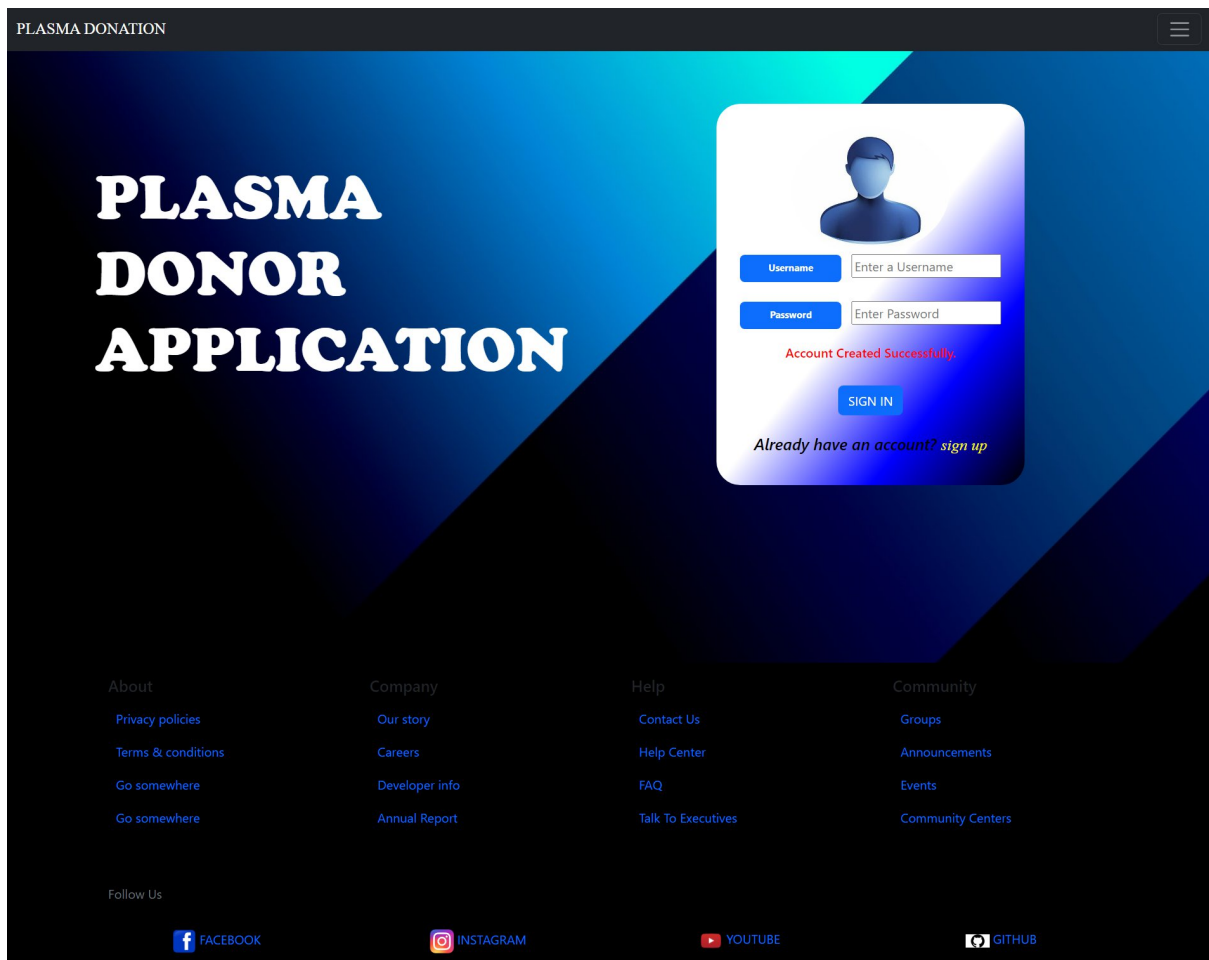
 GITHUB

**Enter Password and repassword correctly:**





**Account Created Successfully :**



## Dashboard:

```
{% extends "home.html" %}

{% block navbar %}

<li class="nav-item ">
    <a class="nav-link " href="{{url_for('logout')}}">Log Out</a>
</li>
{% endblock %}
{% block body %}
<br><br><br><br><br>
<h2 class="h1" style="color:white; padding-bottom:90px; ">WELCOME

    {{msg}}
</h2>

{% endblock %}
```

# PLASMA DONOR APPLICATION



Username

power

Password

Power@123

Account Created Successfully.

SIGN IN

*Already have an account? [sign up](#)*

## About

[Privacy policies](#)[Terms & conditions](#)[Go somewhere](#)[Go somewhere](#)

## Company

[Our story](#)[Careers](#)[Developer info](#)[Annual Report](#)

## Help

[Contact Us](#)[Help Center](#)[FAQ](#)[Talk To Executives](#)

## Community

[Groups](#)[Announcements](#)[Events](#)[Community Centers](#)

Follow Us



# WELCOME power

## About

[Privacy policies](#)[Terms & conditions](#)[Go somewhere](#)[Go somewhere](#)

## Company

[Our story](#)[Careers](#)[Developer info](#)[Annual Report](#)

## Help

[Contact Us](#)[Help Center](#)[FAQ](#)[Talk To Executives](#)

## Community

[Groups](#)[Announcements](#)[Events](#)[Community Centers](#)

Follow Us

