SPRINT 1

Date	12November2022
Team ID	PNT2022TMID49639
Project Name	Plasma Donor Application

index.html:

```html
<!DOCTYPE html>
<html lang="en">
<head>
<style>
*{
    margin: 0;
    padding: 0;
    font-family: sans-serif;
}

.banner{
    width: 100%;
    height: 100vh;
    background: linear-gradient(rgba(0,0,0,0.75),rgba(0,0,0,0.75)), url(bg.webp);
    background-size: cover;
    background-position: center;
}

.navbar{
    width: 85%;
    margin: auto;
    padding: 35px 0;
    display: flex;
    align-items: center;
    justify-content: space-between;
}

.logo{
    width: 120px;
    cursor: pointer;
}
```

```css
.navbar ul li{
    list-style: none;
    display: inline-block;
    margin: 0 20px;
    position: relative;
}

.navbar ul li a{
    text-decoration: none;
    color: #fff;
    text-transform: uppercase;
}

.navbar ul li::after{
    content: '';
    height: 3px;
    width: 0;
    background: #99cce0;
    position: absolute;
    left: 0;
    bottom: -5px;
    transition: 0.5s;
}

.navbar ul li:hover::after{
    width: 100%;
}

.content{
    width: 100%;
    position: absolute;
    top: 50%;
    transform: translateY(-50%);
    text-align: center;
    color: #99cce0;
}

.content h1{
    font-size: 70px;
    margin-top: 80px;
```

```css
}

.content p{
    margin: 20px auto;
    font-weight: 100;
    line-height: 25px;
    color: aliceblue;
    font-family: 'Lucida Sans';
}

.form h2{
    width: 220px;
    font-family: sans-serif;
    text-align: center;
    color: #99cce0;
    font-size: 50px;
    background-color: #fff;
    border-radius: 10px;
    margin: 2px;
    padding: 8px;
}

.form input{
    width: 240px;
    height: 35px;
    background: transparent;
    border-bottom: 1px solid #99cce0;
    border-top: none;
    border-right: none;
    border-left: none;
    color: #fff;
    font-size: 15px;
    letter-spacing: 1px;
    margin-top: 30px;
    font-family: sans-serif;
}

.form input:focus{
    outline: none;
}
```

```css
::placeholder{
    color: #fff;
    font-family: Arial;
}

.btnn{
    width: 240px;
    height: 40px;
    background: #99cce0;
    border: none;
    margin-top: 30px;
    font-size: 18px;
    border-radius: 10px;
    cursor: pointer;
    color: #fff;
    transition: 0.4s ease;
}
.btnn:hover{
    background: #fff;
    color: #99cce0;
}
.btnn a{
    text-decoration: none;
    color: #000;
    font-weight: bold;
}
.form .link{
    font-family: Arial, Helvetica, sans-serif;
    font-size: 17px;
    padding-top: 50px;
    text-align: center;
}
.form .link a{
    text-decoration: none;
    color: #99cce0;
}

.form{
    font-family: Arial, Helvetica, sans-serif;
```

```
        font-size: 17px;
        padding-top: 50px;
        text-align: center;
    }
    .form a{
        text-decoration: none;
        color: #99cce0;
    }

</style>
<title>Index form</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

    <div class="banner">
        <div class="navbar">
            <img src="bgh.webp" class="logo">

            <ul>
                <li><a href="#">HOME</a></li>
                <li><a href="#">ABOUT</a></li>

                <li><a href="#">CONTACT</a></li>
            </ul>
        </div>

        </div>
        <div class="content">
            <h1>PLASMA DONOR<br><span>APPLICATION</span> <br></h1>
            <p>Need a reason to donate Plasma? <br>
                The reason is giving someone another chance in life!!</p>
                <div class="form">

                    <a href="{{'login'}}">Login</a>

                    <p class="link">Don't have an account<br>
                    <a href="{{'register'}}">Sign up </a> here</a></p>
```

```
        </div>,.
          </div>


      </div>
    </div>
    <script src="https://unpkg.com/ionicons@5.4.0/dist/ionicons.js"></script>
</body>
</html>
```

registration page.html:
```
<Html>

<head>
<style>
* {
    padding: 0;
    margin: 0;
    font-family: Verdana, Geneva, Tahoma, sans-serif;
}

body {
    background-color: rgb(223, 203, 218);
    background-size: cover;
}
</style>
    <title>Registration form</title>
</head>
<center>
    <h1 class="word">DONOR REGISTRATION</h1>
</center>

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

        <label><font size="5"> Username: </font></label>
        <input type="text" name="username" placeholder="Enter your Username"
required> <br> <br>
        <label><font size="5"> Age: </font></label>
        <input type="age" name="age" placeholder="How old are you?" required> <br>
<br>
```

```html
<label><font size="5">
    Blood Group: </font>
</label>
<input type="bloodgroup" name="bloodgroup" placeholder="Bloodgroup" required>
<br>
<br>
<label><font size="5">
    Gender: </font>
</label>
<input type="gender" name="gender" placeholder="Gender" required>
<br>
<br>
<label><font size="5">
    Phone: </font>
</label>
<!--<input type="text" name="countrycode" value="+91" size="2" />-->
<input type="text" name="phone" size="12" required> <br> <br>
<font size="5"> Address </font>
<br>
<textarea name="address" cols="80" rows="4" value="address" required>
</textarea>
<br> <br>
<font size="5"> Email: </font>
<input type="email" id="email" name="email" placeholder="Enter your Email" required> <br>
<br> <br>
<font size="5"> Password: </font>
<input type="password" id="password" name="password" placeholder="Enter your Password" required> <br>
<br> <br>
<font size="5"> Confirm Password: </font>
<input type="password"  name="confirmpassword" placeholder="Confirm your Password" required> <br> <br>
<label><font size="5"> Height: </font></label>
<input type="height" name="height" placeholder="Please write your height in centimetres" required><br><br>
<label><font size="5"> Weight: </font></label>
<input type="weight" name="weight" placeholder="Please write your weight in centimetres" required>
```

```html
        <br><br>
        <button>
           <input type="submit" value="REGISTER" />
        </button>
     </form>
</body>

</html>
```

login page.html:
```html
<Html>

<head>
 <style>
*{
    margin: 0%;
    padding: 0%;
    font-family: 'Verdana, Geneva, Tahoma, sans-serif'
}

body{
 background-color: rgb(223, 203, 218);
 background-size: cover;
}
 </style>
 <title>Login form</title>
</head>
<center><br><br><br><br><br><br><br><br>
 <h1 class="word">DONOR LOGIN</h1>
</center>

<body>
 <br>
 <form action="{{ url_for('login') }}" method="post">
  <br> <center>
  <label> Username:</label>
  <input type="text" name="Username" size="15" /> <br> <br>
  <label> Password: </label>
  <input type="text" name="Password" size="15" />
  <br> <br> <br>
```

```html
<button>
    <input type="submit" value="LOGIN" />
  </button>
    </center>
  </form>
</body>

</html>
```

app.py:
```python
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re


app = Flask(__name__)
app.secret_key = 'a'
conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7
e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SECURITY
=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=chd81862;PWD=5g7Pl
VGFKudIoKIn","","")
@app.route('/')
def home():
    return render_template('index.html')
@app.route('/login', methods =['GET', 'POST'])
def login():
    global userid
    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 registration 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_assoc(stmt)
        if account:
```

```python
            session['loggedin'] = True
            session['username'] = account['USERNAME']
            msg = 'Logged in successfully !'
            return render_template('index.html', msg = msg)
        else:
            msg = 'Incorrect username / password !'
    return render_template('login.html', msg = msg)

@app.route('/logout')
def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
    return redirect(url_for('login'))

@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']
        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 registration 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)
        print(account)
        if account:
            msg = 'Account already exists !'
        elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
            msg = 'Invalid email address !'
```

```python
        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 registration 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 !'
    elif request.method == 'POST':
        msg = 'Please fill out the form !'

    return render_template('registration page.html', msg = msg)
if __name__ == '__main__':
    app.run(debug = True)
```
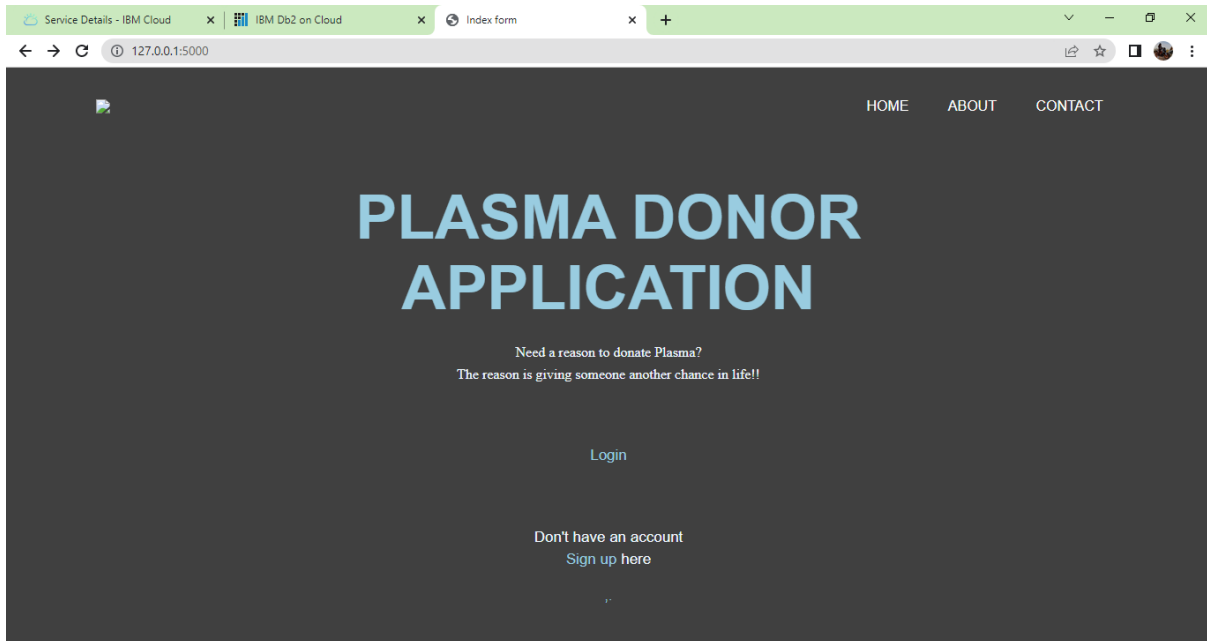
OUTPUT:

Username: Mathi S
Age: 20
Blood Group: AB+ve
Gender: Female
Phone: 6374966397
Address
AURCT,Tirunelveli
Email: saranmathis2006@gmail.c
Password: ...
Confirm Password: ...
Height: 160
Weight: 50
REGISTER

DONOR LOGIN

Username: Mathi S
Password: 123

LOGIN

CHD81862.REGISTRATION

Back

🗑   Export to CSV   ⬇

USERNAME	AGE	BLOODGROUP	GENDER	PHONE	ADDRESS	EMAIL	PASSWORD	CONFIRMPASSWORD	HEIGHT	WEIGHT
Aathira	25	O+ve	Female	9080507 125	Anna Nagar,Chenn ai	aathira25 @gmail.c om	Aathira123	Aathira123	163	52
Mathi S	20	AB+ve	Female	6374966 397	AURCT,Tirun elveli	saranmat his2006 @gmail.c om	123	123	160	50