

SPRINT 1 DELIVERABLE

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|--------------|--------------------------|
| Team ID | PNT2022PMID49593 |
| Project Name | PLASMA DONOR APPLICATION |
| Name | SINDHU R |
| Roll Number | 950019104043 |

Sprint 1- Donor Registration, Donor Login

app.py

```
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=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURIT
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mpf67194;PWD=iCG3PvOYv
DiHMrq8",'','')
@app.route('/')
def index():
    return render_template('index.html')
@app.route('/login', methods =['GET', 'POST'])
def login():
    global userid
    msg = ''
    if request.method == 'POST' and 'email' in request.form and 'password' in
request.form:
        email = request.form['email']
        password = request.form['password']
        stmt = ibm_db.prepare(conn,'SELECT * FROM donors WHERE email = ? AND
password = ?')
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        if account:
            session['loggedin'] = True
            session['email'] = account['EMAIL']
            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':
        name = request.form['name']
        bloodgroup = request.form['blood']
        email = request.form['email']
        phonenumber = request.form['phone']
        password = request.form['password']
        address = request.form['address']
        gender = request.form['gender']
        age = request.form['age']
        district = request.form['district']
        state = request.form['state']
        illness = request.form['illness']
        sql= "SELECT * FROM donors WHERE name = ?"
        stmt = ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,name)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        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]+', name):
            msg = 'name must contain only characters and numbers !'
        elif not name or not password or not email:
            msg = 'Please fill out the form !'
        else:
            insert_sql = "INSERT INTO donors VALUES(?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
?, ?)"
            stmt = ibm_db.prepare(conn,insert_sql)
            ibm_db.bind_param(stmt, 1, name)
            ibm_db.bind_param(stmt, 2, bloodgroup)
            ibm_db.bind_param(stmt, 3, email)
            ibm_db.bind_param(stmt, 4, phonenumber)
            ibm_db.bind_param(stmt, 5, password)
            ibm_db.bind_param(stmt, 6, address)
            ibm_db.bind_param(stmt, 7, gender)
            ibm_db.bind_param(stmt, 8, age)
            ibm_db.bind_param(stmt, 9, district)
            ibm_db.bind_param(stmt, 10, state)
            ibm_db.bind_param(stmt, 11, illness)
            ibm_db.execute(stmt)

```

```

        msg = 'You have successfully registered !'
        return render_template('register.html', msg = msg)
if __name__ == '__main__':
    app.run(debug= True)

```

templates/register.html

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <title>Responsive Registration Form</title>
    <meta name="viewport" content="width=device-width,
      initial-scale=1.0"/>
    <link rel="stylesheet" href="{{ url_for('static', filename='style.css')
  }}">
  </head>
  <body>

<div class="container">
<h1 class="form-title">Registration</h1>
  <form action="{{ url_for('register') }}" method="post">
    <div class="msg">{{ msg }}</div>
    <div class="main-user-info">
      <div class="user-input-box">
        <label for="name">Full Name</label>
        <input type="text"
          id="name"
          name="name"
          placeholder="Enter Full Name"/>
      </div>
      <div class="user-input-box">
        <label for="bloods">Blood Group</label>
        <input type="text"
          id="blood"
          name="blood"
          placeholder="Enter Blood Group"/>
      </div>
      <div class="user-input-box">
        <label for="email">Email</label>
        <input type="email"
          id="email"
          name="email"
          placeholder="Enter Email"/>
      </div>
      <div class="user-input-box">
        <label for="phone">Phone Number</label>
        <input type="text"

```

```
        id="phone"
        name="phone"
        placeholder="Enter Phone Number"/>
    </div>
    <div class="user-input-box">
        <label for="password">Password</label>
        <input type="password"
            id="password"
            name="password"
            placeholder="Enter Password"/>

        <div class="user-input-box">
            <label for="address">Address</label>
            <input type="text"
                id="address"
                name="address"
                placeholder="Enter Address"/>
        </div>
        <div class="user-input-box">
            <label for="gender">Gender</label>
            <input type="text"
                id="gender"
                name="gender"
                placeholder="Enter Gender "/>
        </div>

        <div class="user-input-box">
            <label for="age">Age</label>
            <input type="text"
                id="age"
                name="age"
                placeholder="Enter Age"/>
        </div>
        <div class="user-input-box">
            <label for="district">District</label>
            <input type="text"
                id="district"
                name="district"
                placeholder="Enter District"/>
        </div>
        <div class="user-input-box">
            <label for="state">State</label>
            <input type="text"
                id="state"
                name="state"
                placeholder="Enter State"/>
        </div>
    </div>
```

```

    <div class="user-input-box">
    <label for="illness">Do you have any illness?</label>
      <input type="text"
        id="illness"
        name="illness"
        placeholder="Type here..."/>
    </div>
    <div class="form-submit-btn">
      <input type="submit" value="Register">
    </div>
  </form>
</div>
</body>
</html>

```

templates/login.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <!-- Design by foolishdeveloper.com -->
  <title>Glassmorphism login </title>

  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;500;600&displa
y=swap" rel="stylesheet">
  <!-- Stylesheet -->
<style media="screen">
  *,
*:before,
*:after{
  padding: 0;
  margin: 0;
  box-sizing: border-box;
}
body{
  background-color: #4b71c9;
}
.background{
  width: 430px;
  height: 520px;
  position: absolute;
  transform: translate(-50%,-50%);
  left: 50%;
  top: 50%;

```

```

}
.background .shape{
  height: 200px;
  width: 200px;
  position: absolute;
  border-radius: 50%;
}
.shape:first-child{
  background: linear-gradient(
    #1845ad,
    #23a2f6
  );
  left: -80px;
  top: -80px;
}
.shape:last-child{
  background: linear-gradient(
    to right,
    #ff512f,
    #f09819
  );
  right: -30px;
  bottom: -80px;
}
form{
  height: 520px;
  width: 400px;
  background-color: rgba(255,255,255,0.13);
  position: absolute;
  transform: translate(-50%,-50%);
  top: 50%;
  left: 50%;
  border-radius: 10px;
  backdrop-filter: blur(10px);
  border: 2px solid rgba(255,255,255,0.1);
  box-shadow: 0 0 40px rgba(8,7,16,0.6);
  padding: 50px 35px;
}
form *{
  font-family: 'Poppins',sans-serif;
  color: #ffffff;
  letter-spacing: 0.5px;
  outline: none;
  border: none;
}
form h3{
  font-size: 32px;
  font-weight: 500;

```

```
    line-height: 42px;
    text-align: center;
}

label{
    display: block;
    margin-top: 30px;
    font-size: 16px;
    font-weight: 500;
}

input{
    display: block;
    height: 50px;
    width: 100%;
    background-color: rgba(255,255,255,0.07);
    border-radius: 3px;
    padding: 0 10px;
    margin-top: 8px;
    font-size: 14px;
    font-weight: 300;
}

::placeholder{
    color: #e5e5e5;
}

button{
    margin-top: 50px;
    width: 100%;
    background-color: #ffffff;
    color: #080710;
    padding: 15px 0;
    font-size: 18px;
    font-weight: 600;
    border-radius: 5px;
    cursor: pointer;
}

.social{
    margin-top: 30px;
    display: flex;
}

.social div{
    background: red;
    width: 150px;
    border-radius: 3px;
    padding: 5px 10px 10px 5px;
    background-color: rgba(255,255,255,0.27);
    color: #eaf0fb;
    text-align: center;
}
```

```

.social div:hover{
  background-color: rgba(255,255,255,0.47);
}
.social .fb{
  margin-left: 25px;
}
.social i{
  margin-right: 4px;
}

</style>
</head>
<body>

  <div class="background">
    <div class="shape"></div>
    <div class="shape"></div>
  </div>
  <form action="{{ url_for('login') }}" method="post">
    <div class="msg"> {{ msg }}</div>
    <h3>Login Here</h3>

    <label for="name">Username</label>
    <input type="text" name="email" placeholder="Email" id="name">

    <label for="password">Password</label>
    <input type="password" name="password" placeholder="Password"
id="password">

    <button href="{{ url_for('login') }}">Log In</button>
    <p class="bottom">Don't have an account? <a class="bottom" >SIGNUP</p>

  </form>

</body>
</html>

```

templates/index.html

```

<html>
<head>
<link rel="stylesheet" href="{{ url_for('static', filename='dmain.css') }}">
<meta charset="UTF-8">
<title> Register </title>
</head>

<body>

```



```

<h1>PLASMA DONOR APPLICATION</h1>
<center>
<div class="bg">
    </div>
    <div class="Donr">
        <p>Are you Donor?</p>
        <button class="button1">Click here</button>
        <div class="dropdown" >
            <a href= "/register" class="btn">Register</a>
            <a href= "/login" class="btn">login</a>
        </div>
    </div>
</div>
</body>
</html>

```

static/dmain.css

```

body {
    background-image: url('bg2.jpg');
    background-size: 100% ;
    background-repeat: no-repeat;
}

h1{
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    color: #f9f9f9;
    size: 50%;
    text-align: center;
}

p{
    font-family: Georgia, 'Times New Roman', Times, serif;
    font-weight: 200;
    font-size: 20px;
    color: aliceblue;
}

.bg{
    opacity: 0.5;
}

.button1 {
    font-size: 16px;
    transition-duration: 0.4s;
    position: relative;
}

```

```

display: inline-block;
padding: 15px 25px;
cursor: pointer;
border-radius: 15px;
box-shadow: 0 9px #999;
}

.button1:hover {
background-color: #3132de; /* Green */
color: white;
}

.btn{
border-radius: 12px;
text-align: center;
}

.donr{
text-align: center;
bottom: 0;
padding-bottom: 15px 0;
position:relative;
left: 0;
display: inline-block;
}

.dropdown {
display: none;
position: absolute;

min-width: 10px;
box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
z-index: 1;
}

.dropdown a {
color: rgb(239, 239, 239);
padding: 12px 16px;
text-decoration: none;
display: block;
}

.dropdown a:hover {background-color: #3148e2;}

.donr:hover .dropdown {
display: block;
}

```

static/style.css

```
*{
```

```
padding: 0;
margin: 0;
box-sizing: border-box;
font-family: sans-serif;
}

body{
display: flex;
height: 100vh;
justify-content: center;
align-items: center;
background-image: url('bg2.jpg');
}

.msg{
text-align: center;
font-size: 20px;
}

.container{
width: 100%;
max-width: 850px;
background: rgba(205, 189, 205, 0.5);

padding: 30px;
margin: 0 28px;
border-radius: 10px;
box-shadow: inset -2px 2px 2px rgb(216, 216, 216);
}

.form-title{
font-size: 26px;
font-weight: 600;
text-align: center;
padding-top: 150px;
color: white;
text-shadow: 2px 2px 2px black;
border-bottom: solid 1px white;
}

.main-user-info{
display: flex;
flex-wrap: wrap;
justify-content: space-between;
padding: 20px 0;
}
```

```
.user-input-box:nth-child(2n){
  justify-content: end;
}

.user-input-box{
  display: flex;
  flex-wrap: wrap;
  width: 50%;
  padding-bottom: 15px;
}

.user-input-box label{
  width: 95%;
  color: white;
  font-size: 20px;
  font-weight: 400;
  margin: 5px 0;
}

.user-input-box input{
  height: 40px;
  width: 95%;
  border-radius: 7px;
  outline: none;
  border: 1px solid rgb(36, 6, 145);
  padding: 0 10px;
}

.gender-title{
  color:white;
  font-size: 24px;
  font-weight: 600;
  border-bottom: 1px solid white;
}

.gender-category{
  margin: 15px 0;
  color: white;
}

.gender-category label{
  padding: 0 20px 0 5px;
}

.gender-category label,
.gender-category input,
.form-submit-btn input{
```

```
    cursor: pointer;
}

.form-submit-btn{
    margin-top: 50px;
    border-radius: 15px;
    width: 50%;
    transition-duration: 0.4s;
}

.form-submit-btn:hover{
    background-color: azure;
    color: blue;
}

.form-submit-btn input{
    display: block;
    width: 100%;
    margin-top: 10px;
    font-size: 20px;
    padding: 10px;
    border: none;
    border-radius: 3px;
    color: rgb(209, 209, 209);
    background: rgba(61, 31, 230, 0.7);
}

.form-submit-btn input:hover{
    background: rgba(16, 13, 172, 0.7);
    color: rgb(255, 255, 255);
}

@media(max-width: 600px){
    .container{
        min-width: 280px;
    }

    .user-input-box{
        margin-bottom: 12px;
        width: 100%;
    }

    .user-input-box:nth-child(2n){
        justify-content: space-between;
    }

    .gender-category{
        display: flex;
        justify-content: space-between;
    }
}
```

```

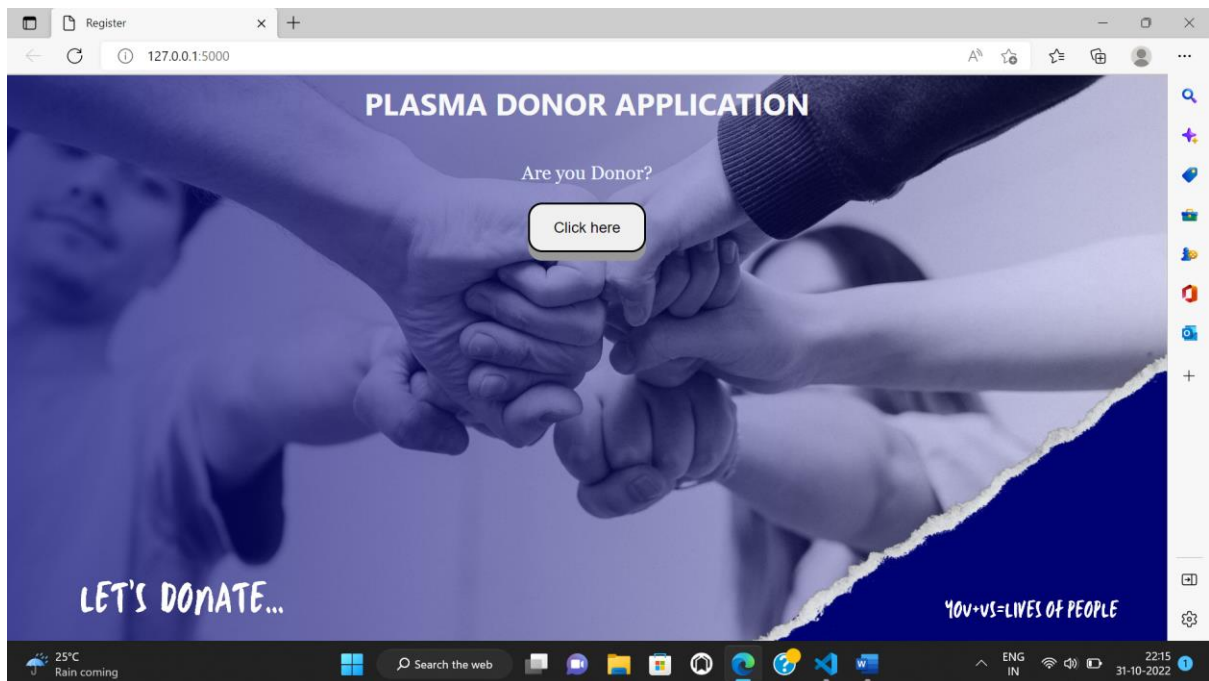
        width: 100%;
    }

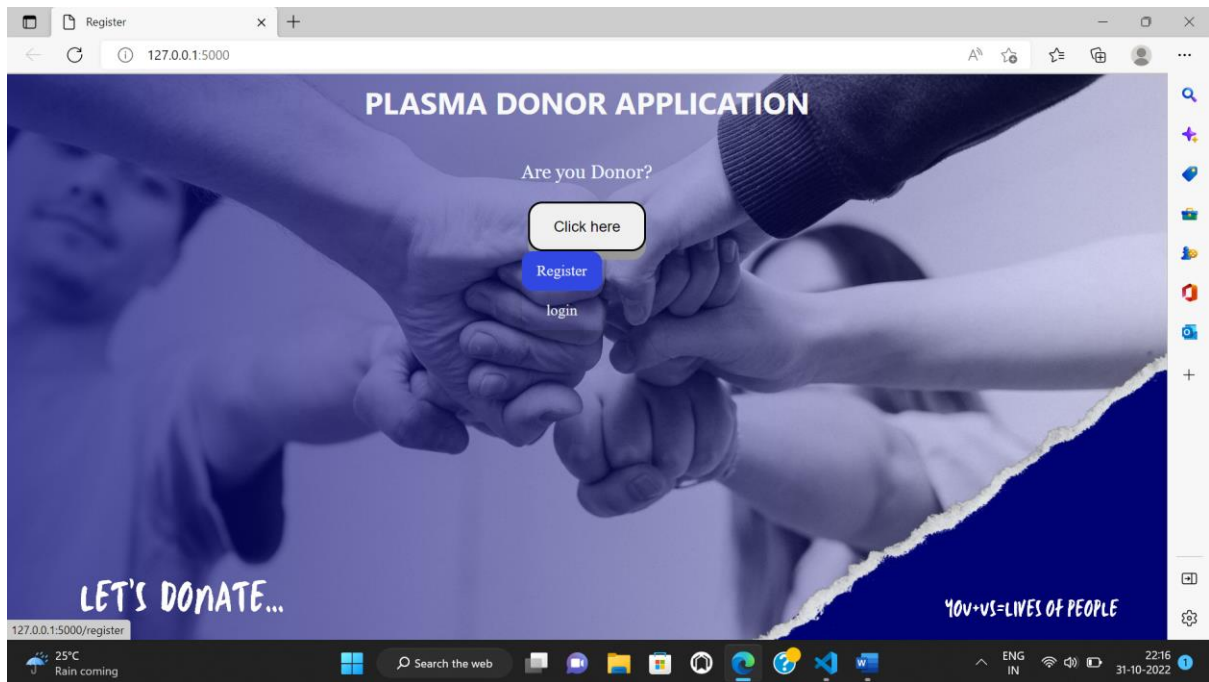
    .main-user-info{
        max-height: 380px;
        overflow: auto;
    }

    .main-user-info::-webkit-scrollbar{
        width: 0;
    }
}

```

OUTPUT:





Donor Registration form:

A screenshot of a web browser displaying a responsive registration form. The form is titled "Registration" and is set against a dark purple background. It contains the following fields and values:

- Full Name: sindhu
- Blood Group: A+
- Email: sindhu@gmail.com
- Phone Number: 0987654323456
- Password: (masked with three dots)
- Address: tvl
- Gender: female
- Age: 25
- District: tirunelveli
- State: tamilnadu
- Do you have any illness?: no

The browser's address bar shows the URL "127.0.0.1:5000/register". The Windows taskbar at the bottom shows the date as 31-10-2022 and the time as 22:18.

Responsive Registration Form x +

127.0.0.1:5000/register

Email: sindhu@gmail.com Phone Number: 0987654323456

Password: ...

Address: tvl Gender: female

Age: 25 District: tirunelveli

State: tamilnadu Do you have any illness?: no

Register

25°C Rain coming

Search the web

ENG IN 22:18 31-10-2022

Responsive Registration Form x +

127.0.0.1:5000/register

Registration
You have successfully registered !

Full Name: Enter Full Name Blood Group: Enter Blood Group

Email: Enter Email Phone Number: Enter Phone Number

Password: Enter Password

Address: Enter Address Gender: Enter Gender

Age: Enter Age District: Enter District

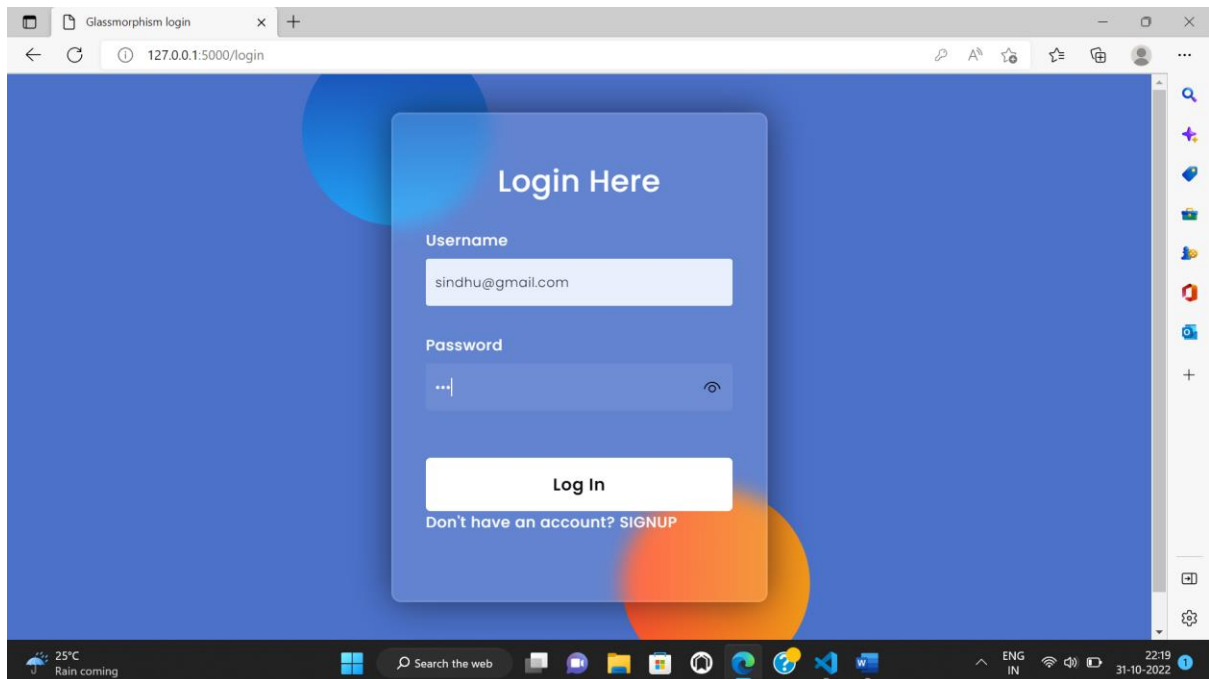
State: Enter State Do you have any illness?: Type here...

25°C Rain coming

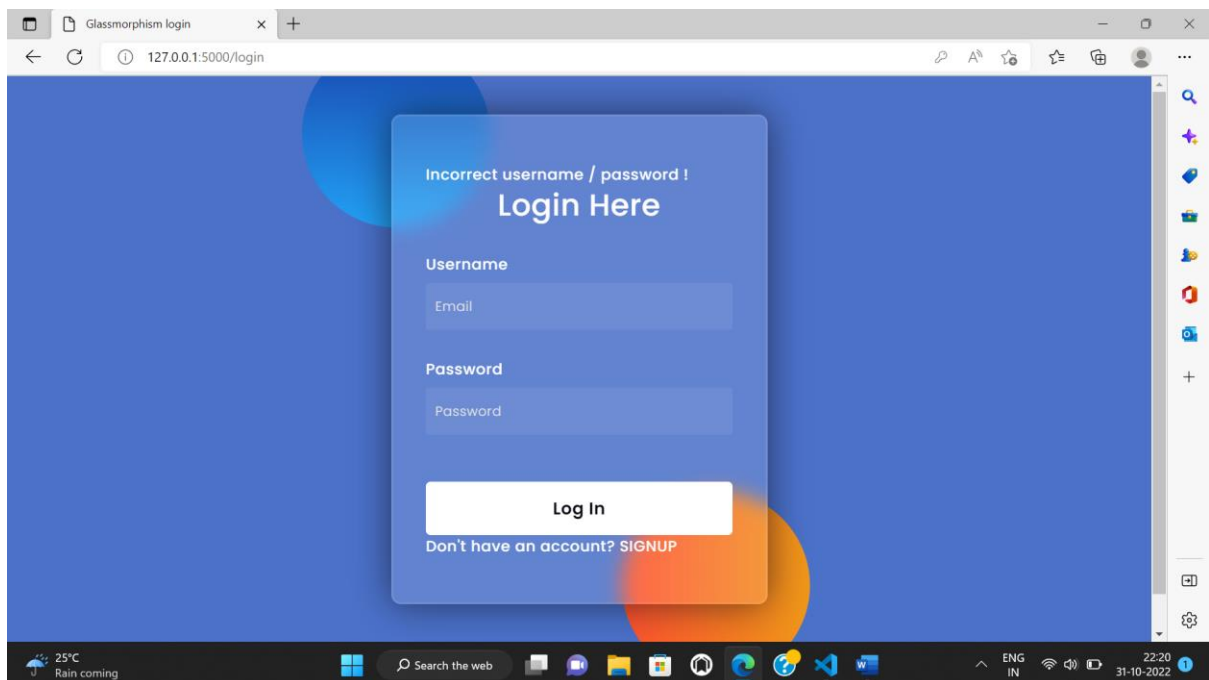
Search the web

ENG IN 22:18 31-10-2022

Donor login:



If login details are incorrect:



IBM db2:

Service Details - IBM Cloud

IBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Ffb3c281dce354d6b8...

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

MPF67194.DONORS

Back

Export to CSV

| NAME | BLOOD | EMAIL | PHONE | PASSWORD | ADDRESS | GENDER | AGE | DISTRICT | STATE | ILLNESS |
|-----------|-------|----------------------------|--------------|----------|------------------|--------|-----|-------------|------------|---------|
| Evangelin | O+ | E@gmail.com | 1234567890 | 1234 | Tirunelveli | Female | 21 | Tirunelveli | tamilnadu | no |
| Sindhu R | A | sindhu1634@gmail.com | 9384243611 | 111 | sss | female | 12 | tirunelveli | tamilnadu | no |
| nanthini | o | nanthini10082000@gmail.com | 9360243803 | 123 | 12,anna nagar | female | 21 | tirunelveli | tamilnadu | no |
| rahul | o | rahul1234@gmail.com | 2244668800 | 123456 | tirunelveli town | male | 25 | | Tamil Nadu | sindhu |
| sindhu | A+ | sindhu@gmail.com | 987654323456 | 111 | tv | female | 25 | tirunelveli | tamilnadu | no |

25°C

Rain coming

Search the web

ENG IN

22:29

31-10-2022