LOGIN :

```html
<!DOCTYPE html>
<html >

<head>
  <meta charset="UTF-8">
  <title>Plasma Donor App</title>
    <!-- <link href='https://fonts.googleapis.com/css?family=Pacifico'
rel='stylesheet' type='text/css'>
    <link href='https://fonts.googleapis.com/css?family=Arimo'
rel='stylesheet' type='text/css'> -->
    <link href='https://fonts.googleapis.com/css?family=Hind:300'
rel='stylesheet' type='text/css'>
    <link
href='https://fonts.googleapis.com/css?family=Open+Sans+Condensed:300'
rel='stylesheet' type='text/css'>
    <link rel="stylesheet" href="{{ url_for('static', filename='style.css')
}}">
    <link rel="stylesheet" href="/static/style.css">

<style>
.login{
top: 20%;
}
</style>
</head>

<body>
<div class="background-image"></div>
<div class="header">
<div>Plasma Donor App</div>
    <ul>



        <li><a href="/register">Register</a></li>
        <li><a class="active" href="/login">Home</a></li>
        <li><a href="/about">About</a></li>
    </ul>
</div>
 <div class="login" >
        <div>
        </div>



    <form action="{{ url_for('login')}}"method="post">
        <input type="text" name="user" placeholder="Enter UserName"
required="required" style="color:black" />
```

```
            <input type="password" name="passw" placeholder="Enter Password"
required="required" style="color:black" />
            <button type="submit" class="btn btn-primary btn-block btn-
large">Login</button>

    </form>
<br><br>
<div style="color:black">
</div>
 </div>

</body>

<style>
    * {
        margin: 0;
        padding: 0;
    }
    .background-image {
        background-image:
url('https://media.istockphoto.com/id/539184209/photo/man-giving-blood-
donation.jpg?s=612x612&w=0&k=20&c=vUYqEB1swHndxA5q71Gbpt0j8APTWtvyS0ucKpkVPPo=
');
        background-size:cover;
        background-repeat: no-repeat;
        height: 100vh;
    }
</style>
</html>
```

REGISTER :

```
<!DOCTYPE html>
<html >

<head>
  <meta charset="UTF-8">
  <title>Plasma Donor App</title>
    <link href='https://fonts.googleapis.com/css?family=Pacifico'
rel='stylesheet' type='text/css'>
    <link href='https://fonts.googleapis.com/css?family=Arimo'
rel='stylesheet' type='text/css'>
    <link href='https://fonts.googleapis.com/css?family=Hind:300'
rel='stylesheet' type='text/css'>
    <link
href='https://fonts.googleapis.com/css?family=Open+Sans+Condensed:300'
rel='stylesheet' type='text/css'>
```

```html
    <link rel="stylesheet" href="{{ url_for('static', filename='style1.css')
}}">
    <link rel="stylesheet" href="/static/style.css">

<style>
.login{
top: 20%;
}
</style>
</head>

<body>
    <div class="bg-img">
<div class="header">
<div>Plasma Donor App</div>
    <ul>


        <li><a class="active" href="/login">Home</a></li>
    </ul>
</div>
 <div class="login">


    <form action="{{ url_for('register')}}"method="post">
        <input type="text" name="name" placeholder="Enter Your Name"
required="required" style="color:black"/>
        <input type="email" name="email" placeholder="Enter Email"
required="required" style="color:black"/>
        <input type="text" name="phone" placeholder="Enter 10-digit mobile
number" required="required" style="color:black"/>
        <input type="city" name="city" placeholder="Enter Your City Name"
required="required" style="color:black"/>
        <select name="infect">

                    <option value="select" selected>Select COVID infection
status</option>
                    <option value="infected">Infected</option>
                    <option value="uninfected">Uninfected</option>
        </select>
        <select name="blood">
                    <option value="select" selected>Choose your blood
group</option>
                    <option value="O Positive">O Positive</option>
                    <option value="A Positive">A Positive</option>
                    <option value="B Positive">B Positive</option>
                    <option value="AB Positive">AB Positive</option>
```

```html
                        <option value="O Negative">O Negative</option>
                        <option value="A Negative">A Negative</option>
                        <option value="B Negative">B Negative</option>
                        <option value="AB Negative">AB Negative</option>
            </select>
            <input type="password" name="passw" placeholder="Enter Password"
required="required" style="color:black"/>
            <!-- <button type="submit" class="btn btn-primary btn-block btn-
large">Register</button> -->
            <input type="submit" value="Submit">
        </form>

 <br><br>
<div style="color:black">
 </div>
 </div>
 <style>
    .bg-img{
        background-
image:url('https://media.istockphoto.com/id/94916381/photo/blood-
test.jpg?s=612x612&w=0&k=20&c=m_FZ1lpR3u6cVPDfnyT3gPmZmO4LhQGzCjdeDdhN02k=') ;
        background-size:cover;
        background-repeat: no-repeat;
        height: 100vh;
    }
 </style>
</div>

</body>
</html>
Footer
```

STYLE :

```css
@import url(https://fonts.googleapis.com/css?family=Open+Sans);
.btn {
    display: inline-block;
    *display: inline;
    *zoom: 1; padding:
    4px 10px 4px;
    margin-bottom: 0;
    font-size: 13px;
    line-height: 18px;
    color: #333333;
    text-align: center;
    text-shadow: 0 1px 1px rgba(255, 255, 255, 0.75);
    vertical-align: middle;
    background-color: #f5f5f5;
```

```css
    background-image: -moz-linear-gradient(top, #ffffff, #e6e6e6);
    background-image: -ms-linear-gradient(top, #ffffff, #e6e6e6);
    background-image: -webkit-gradient(linear, 0 0, 0 100%, from(#ffffff),
to(#e6e6e6));
    background-image: -webkit-linear-gradient(top, #ffffff, #e6e6e6);
    background-image: -o-linear-gradient(top, #ffffff, #e6e6e6);
    background-image: linear-gradient(top, #ffffff, #e6e6e6);
    background-repeat: repeat-x;
    filter: progid:dximagetransform.microsoft.gradient(startColorstr=#ffffff,
endColorstr=#e6e6e6, GradientType=0);
    border-color: #e6e6e6 #e6e6e6 #e6e6e6;
    border-color: rgba(0, 0, 0, 0.1) rgba(0, 0, 0, 0.1) rgba(0, 0, 0, 0.25);
    border: 1px solid #e6e6e6;
    -webkit-border-radius: 4px;
    -moz-border-radius: 4px;
    border-radius: 4px;
    -webkit-box-shadow: inset 0 1px 0 rgba(255, 255, 255, 0.2), 0 1px 2px
rgba(0, 0, 0, 0.05);
    -moz-box-shadow: inset 0 1px 0 rgba(255, 255, 255, 0.2), 0 1px 2px rgba(0,
0, 0, 0.05);
    box-shadow: inset 0 1px 0 rgba(255, 255, 255, 0.2), 0 1px 2px rgba(0, 0,
0, 0.05);
    cursor: pointer; *margin-left: .3em;
    }

.btn:hover, .btn:active, .btn.active, .btn.disabled, .btn[disabled] {
background-color: #e6e6e6; }

.btn-large {
    padding: 9px 14px;
    font-size: 15px;
    line-height: normal;
    -webkit-border-radius: 5px;
    -moz-border-radius: 5px;
    border-radius: 5px;
    }

.btn:hover {
    color: #333333;
    text-decoration: none;
    background-color: #e6e6e6;
    background-position: 0 -15px;
    -webkit-transition: background-position 0.1s linear;
    -moz-transition: background-position 0.1s linear;
    -ms-transition: background-position 0.1s linear;
    -o-transition: background-position 0.1s linear;
    transition: background-position 0.1s linear;
    }
```

```css
.btn-primary, .btn-primary:hover {
    text-shadow: 0 -1px 0 rgba(0, 0, 0, 0.25);
    color: #ffffff;
    }

.btn-primary.active { color: rgba(255, 255, 255, 0.75); }

.btn-primary {
    background-color: #4a77d4;
    background-image: -moz-linear-gradient(top, #6eb6de, #4a77d4);
    background-image: -ms-linear-gradient(top, #6eb6de, #4a77d4);
    background-image: -webkit-gradient(linear, 0 0, 0 100%, from(#6eb6de),
to(#4a77d4));
    background-image: -webkit-linear-gradient(top, #6eb6de, #4a77d4);
    background-image: -o-linear-gradient(top, #6eb6de, #4a77d4);
    background-image: linear-gradient(top, #6eb6de, #4a77d4);
    background-repeat: repeat-x;
    filter: progid:dximagetransform.microsoft.gradient(startColorstr=#6eb6de,
endColorstr=#4a77d4, GradientType=0);
    border: 1px solid #3762bc;
    text-shadow: 1px 1px 1px rgba(0,0,0,0.4);
    box-shadow: inset 0 1px 0 rgba(255, 255, 255, 0.2), 0 1px 2px rgba(0, 0,
0, 0.5);
    }

.btn-primary:hover, .btn-primary:active, .btn-primary.active, .btn-
primary.disabled, .btn-primary[disabled] {
    filter: none;
    background-color: #4a77d4;
    }

.btn-block { width: 100%; display:block; }

* { -webkit-box-sizing:border-box; -moz-box-sizing:border-box; -ms-box-
sizing:border-box; -o-box-sizing:border-box; box-sizing:border-box; }

html { width: 100%; height:100%; overflow:hidden; }

body {
    width: 100%;
    height:100%;
    font-family: 'Open Sans', sans-serif;
    background: fffff;
    color: #000000;

    font-size: 18px;
    text-align:center;
```

```css
        letter-spacing:1.2px;


}
.header {
            top:0;
            margin:0px;
            left: 0px;
            right: 0px;
            position: fixed;
            background: #4a77d4;
            color: white;
            box-shadow: 0px 8px 4px grey;
            overflow: hidden;
            padding: 15px;
            font-size: 1.5vw;
            width: 100%;
            text-align: center;
        }
.login {
    position: absolute;
    top: 70%;
    left: 50%;
    margin: -25px 0 0 -150px;
    width:400px;
    height:400px;
}

.header div { color: #fff; text-shadow: 0 0 10px rgba(0,0,0,0.3); letter-
spacing:1px; text-align:center; float:left; padding-left:150px;}

ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  padding-right:150px;
  overflow: hidden;
 }


li {
  float: right;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 0px 15px;
```

```css
    text-decoration: none;
}


input {
    width: 100%;
    margin-bottom: 10px;
    background: rgba(255,255,255,255);
    border: none;
    outline: none;
    padding: 10px;
    font-size: 13px;
    color: black;
    text-shadow: black;
    border: 1px solid rgba(0,0,0,0.3);
    border-radius: 4px;
    box-shadow: inset 0 -5px 45px rgba(100,100,100,0.2), 0 1px 1px
rgba(255,255,255,0.2);
    -webkit-transition: box-shadow .5s ease;
    -moz-transition: box-shadow .5s ease;
    -o-transition: box-shadow .5s ease;
    -ms-transition: box-shadow .5s ease;
    transition: box-shadow .5s ease;
}
input:focus { box-shadow: inset 0 -5px 45px rgba(100,100,100,0.4), 0 1px 1px
rgba(255,255,255,0.2); }


select {
    width: 100%;
    margin-bottom: 10px;
    background: rgba(255,255,255,255);
    border: none;
    outline: none;
    padding: 10px;
    font-size: 13px;
    color: #000000;
    text-shadow: 1px 1px 1px rgba(0,0,0,0.3);
    border: 1px solid rgba(0,0,0,0.3);
    border-radius: 4px;
    box-shadow: inset 0 -5px 45px rgba(100,100,100,0.2), 0 1px 1px
rgba(255,255,255,0.2);
    -webkit-transition: box-shadow .5s ease;
    -moz-transition: box-shadow .5s ease;
    -o-transition: box-shadow .5s ease;
    -ms-transition: box-shadow .5s ease;
    transition: box-shadow .5s ease;
}
```

APP FILE:

```python
# -*- coding: utf-8 -*-
"""
Created on Mon Sep 26 14:27:20 2022

@author: user
"""


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=fbd88901-ebdb-4a4f-a32e-
9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;SECURIT
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=nms09877;PWD=0AEuG3bIm
XTyoxfU",'','')




# def home():
#     return render_template('home.html')


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


    if request.method == 'POST' :
        username = request.form['user']
        password = request.form['passw']
        sql = "SELECT * FROM user WHERE username =? AND password=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print (account)
        if account:
            session['loggedin'] = True
            session['id'] = account['USERNAME']
            userid=  account['USERNAME']
            session['username'] = account['USERNAME']
```

```python
                msg = 'Logged in successfully !'
                return render_template('display.html', msg = msg)
            else:
                msg = 'Incorrect username / password !'
        return render_template('login.html', msg = msg)




@app.route('/register', methods =['GET', 'POST'])
def register():
    msg = ''
    if request.method == 'POST' :
        username = request.form['name']
        email = request.form['email']
        phone_number = request.form['phone']
        city = request.form['city']
        covid_status = request.form['infect']
        blood_group = request.form['blood']
        password = request.form['passw']
        sql = "SELECT * FROM user 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 !'
        elif not re.match(r'[A-Za-z0-9]+', username):
            msg = 'name must contain only characters and numbers !'
        else:
            insert_sql = "INSERT INTO  user VALUES (?, ?, ?, ? , ? , ? , ?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, username)
            ibm_db.bind_param(prep_stmt, 2, email)
            ibm_db.bind_param(prep_stmt, 3, phone_number)
            ibm_db.bind_param(prep_stmt, 4, city)
            ibm_db.bind_param(prep_stmt, 5, covid_status)
            ibm_db.bind_param(prep_stmt, 6, blood_group)
            ibm_db.bind_param(prep_stmt, 7, password)
            ibm_db.execute(prep_stmt)
            msg = 'You have successfully registered !'
    elif request.method == 'POST':
        msg = 'Please fill out the form !'
    return render_template('register.html', msg = msg)
```

```python
@app.route('/display', methods =['GET', 'POST'])
def display():
    if request.method == 'POST':
        blood_group = request.form['blood']
        city = request.form['city']
        sql = 'SELECT * FROM user WHERE blood_group = ? and city = ? '
        prep_stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(prep_stmt, 1, blood_group)
        ibm_db.bind_param(prep_stmt, 2, city)
        ibm_db.execute(prep_stmt)
        data = ibm_db.fetch_assoc(prep_stmt)
        print("datadisplay",data)
        msg = 'Data Fetch successful'
        return render_template('display.html',data = data)
    return render_template('display.html')




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

if __name__ == '__main__':
    app.run(host='0.0.0.0')
```

DISPLAY FILE :

```html
<!DOCTYPE html>
<html>
    <head>
        <meta name="viewport" content="width=device-width, initial-
        scale=1">
        <link rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/font-
        awesome/4.7.0/css/font-awesome.min.css">
        <link rel="stylesheet" href="/static/index.css">
    </head>
    <body>
        <h1><center>Search Donors</center></h1>
        <form class="example" method="post" action="{{ url_for('display')}}"
         style="margin:auto;max-width:600px">
            <input type="text" placeholder="Search by blood group"
name="blood">
```

```html
            <input type="text" placeholder="Search by city" name="city">
            <button type="submit"><i class="fa fa-search"></i>
            </button>
        </form>
        <p></p>
        <center>
        {% for item in data %}
            <tr>
                <td> {{item["USERNAME"]}} contact no :
{{item["PHONE_NUMBER"]}}</td>
                </br>
            </tr>
        {% endfor %}
        </center>
    </body>
</html>
```

INDEX FILE :

```css
body {
    font-family: Arial;
}
* {
    box-sizing: border-box;
}
form.example input[type=text] {
    padding: 10px;
    font-size: 17px;
    border: 1px solid grey;
    float: left;
    width: 80%;
    background: #f1f1f1;
}
form.example button {
    float: left;
    width: 20%;
    padding: 10px;
    background: #2196F3;
    color: white;
    font-size: 17px;
    border: 1px solid grey;
    border-left: none;
    cursor: pointer;
}
form.example button:hover {
    background: #0b7dda;
}
form.example::after {
```

```css
    content: "";
    clear: both;
    display: table;
}
```