ASSIGNMENT – 2

| TEAM ID | PNT2022TMID49639 |
|-----------------|--------------------------|
| PROJECT NAME | PLASMA DONOR APPLICATION |
| NAME | S.SHERMINA |
| REGISTER NUMBER | 950019106040 |

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=b1bc1829-6f45-4cd4-bef4-
10cf081900bf.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32304;SECURITY=SSL;SSLSe
rverCertificate=DigiCertGlobalRootCA.crt;UID=kcc98122;PWD=RHtzVCCyl9AqzuCe",",")
@app.route('/')
def home():
  return render template('register.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 account 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:
      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']
    password = request.form['password']
    email = request.form['email']
    sql = "SELECT * FROM account 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 = 'Username must contain only characters and numbers!'
    elif not username or not password or not email:
```

```
msg = 'Please fill out the form!'
    else:
      insert_sql = "INSERT INTO account VALUES (?, ?, ?)"
      stmt = ibm_db.prepare(conn,insert_sql)
      ibm_db.bind_param(stmt, 1, username)
      ibm_db.bind_param(stmt, 2, password)
      ibm_db.bind_param(stmt, 3, email)
      ibm_db.execute(stmt)
      msg = 'You have successfully registered!'
  elif request.method == 'POST':
    msg = 'Please fill out the form!'
  return render_template('register.html', msg = msg)
if _name_ == '_main_':
app.run(debug = True)
index.html:
<html>
<head>
<meta charset="UTF-8">
<title> Index </title>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
<body></br></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Index</h1>
</div></br></br>
<h1 class="bottom">
Hi {{session.username}}!!</br></br> Welcome to the index page...
</h1></br></br>
```

```
<a href="{{ url_for('logout') }}" class="btn">Logout</a>
</div>
</div>
</body>
</html>

register.html
<html>
<head>
```

```
<meta charset="UTF-8">
<title> Register </title>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
<body></br></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Register</h1>
</div></br></br>
<h2 class="word">
<form action="{{ url_for('register') }}" method="post">
<div class="msg">{{ msg }}</div>
<input id="username" name="username" type="text" placeholder="Enter Your
Username" class="textbox"/></br>
<input id="password" name="password" type="password" placeholder="Enter Your
Password" class="textbox"/></br>
<input id="email" name="email" type="text" placeholder="Enter Your Email ID"
class="textbox"/></br>
<input type="submit" class="btn" value="Sign Up"></br>
</form>
</h2>
```

```
Already have an account? <a class="bottom"</pre>
href="{{url_for('login')}}"> Sign In here</a>
</div>
</div>
</body>
</html>
login.html
<html>
<head>
<meta charset="UTF-8">
<title> Login </title>
<link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
</head>
<body></br></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Login</h1>
</div></br></br>
<h2 class="word">
<form action="{{ url_for('login') }}" method="post">
<div class="msg">{{ msg }}</div>
<input id="username" name="username" type="text" placeholder="Enter Your
Username" class="textbox"/></br>
<input id="password" name="password" type="password" placeholder="Enter Your
Password" class="textbox"/></br></br>
<input type="submit" class="btn" value="Sign In"></br>
</form>
</h2>
Don't have an account? <a class="bottom"</pre>
```

```
href="{{url_for('register')}}"> Sign Up here</a>
</div>
</div>
</body>
</html>
style.css
header{
padding: 5px 120px;
width: 150px;
height: 70px;
background-color: #236B8E;
}
.border{
padding: 80px 50px;
width: 400px;
height: 450px;
border: 1px solid #236B8E;
border-radius: 0px;
background-color: #9AC0CD;
}
.btn {
padding: 10px 40px;
background-color: #236B8E;
color: #FFFFFF;
font-style: oblique;
font-weight: bold;
border-radius: 10px;
}
.textbox{
```

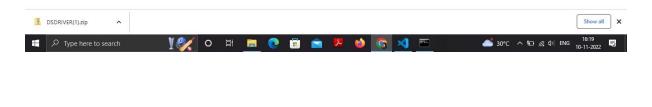
```
padding: 10px 40px;
background-color: #236B8E;
text-color: #FFFFF;
border-radius: 10px;
}
::placeholder {
color: #FFFFFF;
opacity: 1;
font-style: oblique;
font-weight: bold;
}
.word\{\\
color: #FFFFFF;
font-style: oblique;
font-weight: bold;
}
. bottom \{\\
color: #236B8E;
font-style: oblique;
font-weight: bold;
```

}



Register







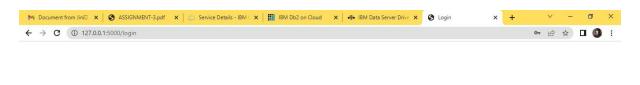
Register

You have successfully registered!



Already have an account? Sign In here

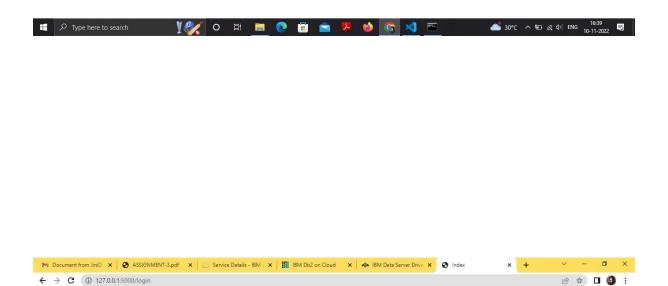




Login



Don't have an account? Sign Up here



Index

Hi shermina!!

Welcome to the index page...

Logout



