

ASSIGNMENT - 2

TEAM ID	PNT2022TMID49639
PROJECT NAME	PLASMA DONOR APPLICATION
NAME	S.MATHI
REGISTER NUMBER	950019106024

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=9938aec0-8105-433e-8bf9-0fbb7e48308
6.c1ogi3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SECURITY=SSL;SSLServer
Certificate=DigiCertGlobalRootCA.crt;UID=chd81862;PWD=5g7PIVGFKudIoKIn",",")
@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
```

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        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)

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        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></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Index</h1>
</div></br></br></br>
<h1 class="bottom">
Hi {{session.username}}!!</br></br> Welcome to the index page...
</h1></br></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></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">

```

```

<h1 class="word">Register</h1>
</div></br></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></br>
<input id="password" name="password" type="password" placeholder="Enter Your
Password" class="textbox"/></br></br>
<input id="email" name="email" type="text" placeholder="Enter Your Email ID"
class="textbox"/></br></br>
<input type="submit" class="btn" value="Sign Up"></br>
</form>
</h2>
<p class="bottom">Already have an account? <a class="bottom"
href="{{ url_for('login') }}"> Sign In here</a></p>
</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></br></br>
<div align="center">
<div align="center" class="border">
<div class="header">
<h1 class="word">Login</h1>
</div></br></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></br>
<input id="password" name="password" type="password" placeholder="Enter Your

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Password" class="textbox"/></br></br></br>
<input type="submit" class="btn" value="Sign In"></br></br>
</form>
</h2>
<p class="bottom">Don't have an account? <a class="bottom"
href="{ {url_for('register')}} "> Sign Up here</a></p>
</div>
</div>
</body>
</html>

```

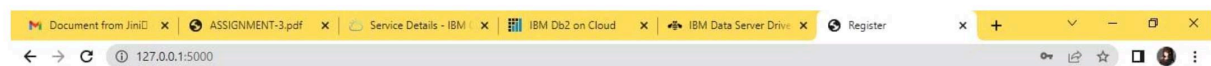
Style.css:

```

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: #FFFFFF;
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

Com come coming

Sign Up

Already have an account? [Sign In here](#)





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](#)

Load Data	Load History	Tables	Views	Indexes	Aliases	MQTs	Sequences	Application objects
KCC98122.ACCOUNT								
Export to CSV								
USERNAME			PASSWORD			EMAIL		
shermina			shermina			shermina2002@gmail.com		