SPRINT_3

Team ID	PNT2022TMID49640
Project Name	NUTRITION ASSISTANT APPLICATION

1.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
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Username" class="textbox"/></br></br>
 <input id="password" name="password" type="password"
placeholder="Enter Your
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>
```

2.app.py

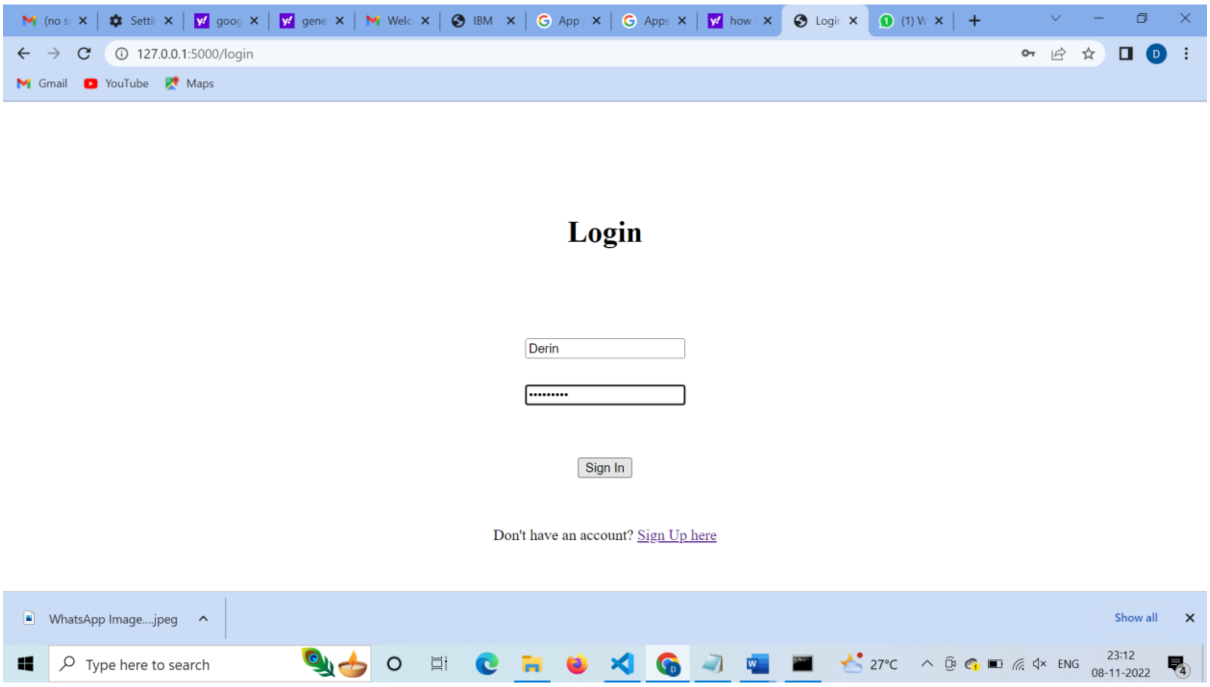
```
from flask import Flask, render_template, request, redirect,
url_for, session
import ibm_db
import re
app = Flask(__name__)
app.secret_key = 'a'
```

```
conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-
d59e-4883-8fc0-
d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cl
oud;PORT=31321;SECURITY=SSL;SSLServerCertificate=DigiCer
tGlobalRootCA.crt;UID=ksm24043;PWD=ZXsdfH0rppztWofo",
'','')
@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 accounts
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']
        email = request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM accounts 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 accounts VALUES (?, ?, ?)"
            stmt = ibm_db.prepare(conn,insert_sql)
            ibm_db.bind_param(stmt, 1, username)
            ibm_db.bind_param(stmt, 2, email)
            ibm_db.bind_param(stmt, 3, password)
            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)
```

output:



127.0.0.1:5000/login

Login

Derin

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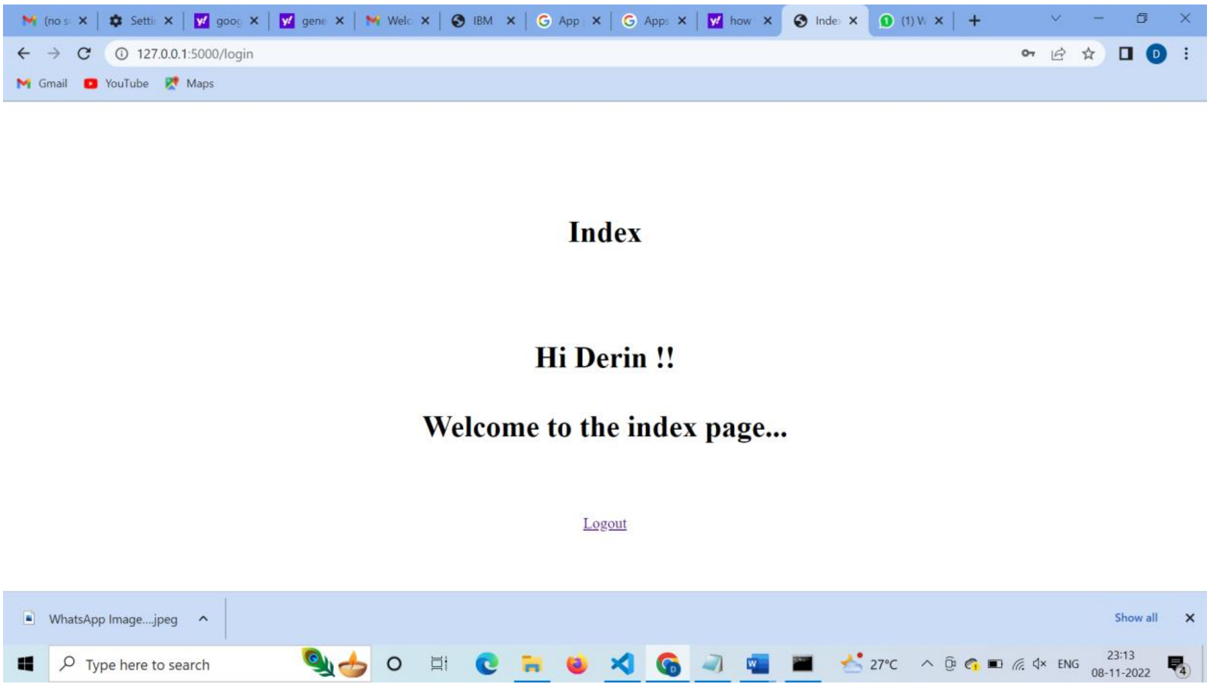
Don't have an account? Sign Up here



Index

Hi Derin !!

Welcome to the index page...

Logout