SPRINT-2

Team ID	PNT2022TMID49642
Project Name	NUTRITION ASSISTANT APPLICATION

1.login.html

```html
<html>
 <head>
 <meta charset="UTF-8">
 <title> Login </title>
 <link rel="stylesheet" href="static/stlll.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>
 <h2 class="word">
 <form action="{{ url_for('login') }}" method="post">
   <label>Username</label>
 <input id="username" name="username" type="text"
placeholder="Enter Your
Username" class="textbox"/>
<label>Password</label>
 <input id="password" name="password" type="password"
```

```html
placeholder="Enter Your

Password" class="textbox"/>

<input type="submit" class="btn" value="Sign In">

</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>
```

app.py

```python
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=b70af05b-76e4-4bca-
a1f5-
23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;
Security=
SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=pbv90190;PWD=pEihUI0
HD05igFYt;",'','')

@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
Def login():
    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 user 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' and 'username' in request.form and 'password' in
request.form and 'email' in request.form :
    Username = request.form['username']
    Password = request.form['password']
    Email = request.form['email']
    Stmt = ibm_db.prepare(conn,'SELECT * FROM user WHERE username = ?')
    Ibm_db.bind_param(stmt,1,username)
    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]+', 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:
      Prep_stmt = ibm_db.prepare(conn,"INSERT INTO user VALUES(?, ?, ?)")
```

```
        Ibm_db.bind_param(prep_stmt, 1, username)
        Ibm_db.bind_param(prep_stmt, 2, email)
        Ibm_db.bind_param(prep_stmt, 3, 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)


If __name__ == '__main__':
    App.debug = True
    App.run(host='0.0.0.0',port=8080)
```

Output: