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| Team ID | PNT2022TMID02912 |
| Project Name | Nutrition Assistant Application |

SPRINT-1

1.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.cloud;PORT=31321;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.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)

2.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="email" name="email" type="email" placeholder="Enter Your

Email" class="textbox"/></br></br>

<input id="password" name="password" type="text" placeholder="Enter Your Password"

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>

3.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

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>

4.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>

5.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;

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;

}

Output: