

## SPRINT-1

Team ID	PNT2022TMID49640
Project Name	Nutrition Assistant Application

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{
```

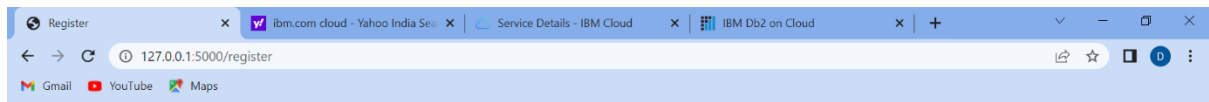
```
padding: 10px 40px;
background-color: #236B8E;
color: #FFFFFF;
border-radius: 10px;
}
```

```
::placeholder {
color: #FFFFFF;
opacity: 1;
font-style: oblique;
font-weight: bold;
}
```

```
.word{
color: #FFFFFF;
font-style: oblique;
font-weight: bold;
}
```

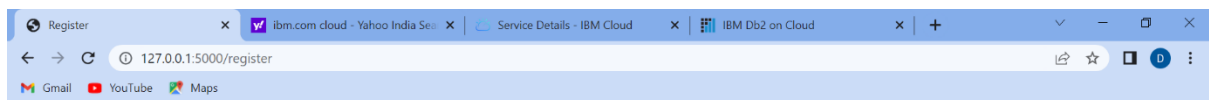
```
.bottom{
color: #236B8E;
font-style: oblique;
font-weight: bold;
}
```

Output:



## Register

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



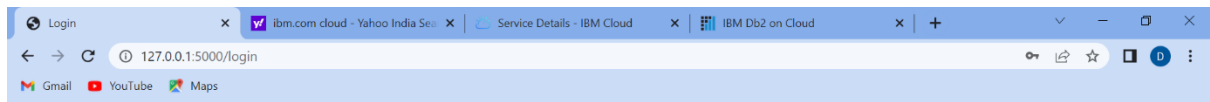
## Register

**You have successfully registered !**

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





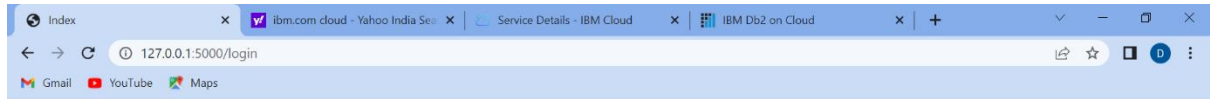


# Login

Sign In

Don't have an account? [Sign Up here](#)





## Index

Hi subha !!

Welcome to the index page...

[Logout](#)

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

KSM24043.ACCOUNTS Back

Export to CSV

USERNAME	EMAIL	PASSWORD
Derin	derin jose886@gmail.com	10092001
angel	starjangelin2001@gmail.com	angel01
jeyasundari	jeyabalamurugan0@gmail.com	jeya@111
subha	lakshmisuba@gmail.com	subha1122