SPRINT - 2

DATE	05 November 2022
Team ID	PNT2022TMID50156
Project Name	Project-Nutrition assistant application

CODE:
app.py

```
from turtle import st
from flask import Flask, render_template, request, redirect, url_for, session
from markupsafe import escape

import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=815fa4db-dc03-
4c70-869a-
a9cc13f33084.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=3036
7;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=nb
s99713;PWD=s5OJXqYIOlMIkOIy",",")

app = Flask(__name__)


@app.route("/")
def index():
return render_template("index.html")

@app.route("/home")
def home():
return render_template("home.html")

@app.route("/about")
def about():
return render_template("about.html")

@app.route("/login")
def login():
return render_template("login.html")

@app.route("/bmi")
def bmi():
return render_template("bmi.html")

@app.route("/user")
```

```
def user():
return render_template("user.html")

@app.route('/addrec',methods = ['POST', 'GET'])
def addrec():
if request.method == 'POST':

uname = request.form['uname']
uemail = request.form['uemail']
upassword = request.form['upassword']
conpassword= request.form['conpassword']

sql = "SELECT * FROM useer WHERE name =?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,uname)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)

if account:
        return render_template('user.html', msg="You are already a member,
        please login using your details")
else:
        insert_sql = "INSERT INTO user VALUES (?,?,?,?)"
        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prep_stmt, 1, uname)
        ibm_db.bind_param(prep_stmt, 2, uemail)
        ibm_db.bind_param(prep_stmt, 3, upassword)
        ibm_db.bind_param(prep_stmt, 4, conpassword)
        ibm_db.execute(prep_stmt)

return render_template('home.html', msg=" user Data saved successfuly..")

@app.route('/user')
def user():
user = []
sql = "SELECT * FROM user"
stmt = ibm_db.exec_immediate(conn, sql)
dictionary = ibm_db.fetch_both(stmt)
while dictionary != False:
# print ("The Name is : ",  dictionary)
user.append(dictionary)
dictionary = ibm_db.fetch_both(stmt)

if user:
return render_template("user.html", user = user)
```

```
@app.route('/delete/<name>')
def delete(name):
sql = f"SELECT * FROM user WHERE name='{escape(name)}'"
print(sql)
stmt = ibm_db.exec_immediate(conn, sql)
user = ibm_db.fetch_row(stmt)
print ("The Name is : ",  user)
if user:
sql = f"DELETE FROM user WHERE name='{escape(name)}'"
print(sql)
stmt = ibm_db.exec_immediate(conn, sql)

user = []
sql = "SELECT * FROM user"
stmt = ibm_db.exec_immediate(conn, sql)
dictionary = ibm_db.fetch_both(stmt)
while dictionary != False:
    user.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
if user:
    return render_template("user.html", user = user, msg="Delete
    successfully")
    return "success..."

if __name__ == "__main__":
app.run(debug=True)
```

Index.html

```
    <!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>nutrition</title>
  <link rel="stylesheet"  href="{{url_for('static',filename='css/style.css')}}">
    <script src="https://use.fontawesome.com/47d72d0777.js">


    </script>

</head>
<body>
<header class="menu">
    <p>Nutrition &nbsp Assistant</p>
```

```
        <nav class="nav">
   <ul>
        <li><a href="/home">HOME</a></li>
        <li><a href="/about">ABOUT</a></li>
        <li><a href="/user">LOGIN</a></li>
                <li><a href="/bmi">BMI</a></li>
                <li><a href="/bg">DIET PLAN</a></li>

   </ul>

</nav></header>

<div class="img">
        <img src="{{url_for('static',filename='images/nutri.jpg')}}">
</div>
<div class="footer">
<ul>
   <li><a href="/home">HOME</a></li>
   <li><a href="/about">ABOUT</a></li>
   <li><a href="/user">LOGIN</a></li>
 </ul>
   <p> &copy; 2022|Designed by VSUT</p>
        <p><a href="https://help.instagram.com/1094643983940381"><i class="fa fa-instagram" aria-hidden="true"></i></a></p>
  <p><a href="https://twitter.com/login"><i class="fa fa-twitter-square" aria-hidden="true"></i></a></p>
  <p><a href="https://www.google.com/account/about/?hl=en&utm_source=google-account&utm_medium=web"><i class="fa fa-envelope" aria-hidden="true"></i></a></p>
</div>
</body>
</html>
```

Home.html:

```
<!DOCTYPE html>
<html>
   <head>
   <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
   <link rel="stylesheet"  href="{{url_for('static',filename='css/home.css')}}">
   </head>
   <script>
      window.watsonAssistantChatOptions = {
          integrationID: "8459266a-522b-4340-9ede-c4bfde0f36bf", // The ID of this 
integration.
          region: "eu-gb", // The region your integration is hosted in.
          serviceInstanceID: "0077e8b2-9162-48fe-bd46-502637599914", // The ID 
of your service instance.
          onLoad: function(instance) { instance.render(); }
        };
        setTimeout(function(){
          const t=document.createElement('script');
          t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" 
+ (window.watsonAssistantChatOptions.clientVersion || 'latest') + 
"/WatsonAssistantChatEntry.js";
          document.head.appendChild(t);
        });
      </script>

    <body >
        <body background="{{url_for('static',filename='images/home2.jpg')}}">
        <h1>NUTRITION </h1>
        <P><b>Nutrition is the biochemical and physiological process by which an 
organism uses food to support its life. It provides organisms with nutrients, which 
can be metabolized to create energy and chemical structures. Failure to obtain 
sufficient nutrients causes malnutrition. Nutritional science is the study of 
nutrition, though it typically emphasizes human nutrition.The type of organism 
determines what nutrients it needs and how it obtains them. Organisms obtain 
nutrients by consuming organic matter, consuming inorganic matter, absorbing 
light, or some combination of these. Some can produce nutrients internally by 
consuming basic elements, while some must consume other organisms to obtain 
preexisting nutrients. All forms of life require carbon, energy, and water as well as 
various other molecules. Animals require complex nutrients such as 
carbohydrates, lipids, and proteins, obtaining them by consuming other organisms. 
Humans have developed agriculture and cooking to replace foraging and advance 
human nutrition. Plants acquire nutrients through soil and the atmosphere. Fungi 
absorb nutrients around them by breaking them down and absorbing them through 
the mycelium.</b>  </P>
        <div class="img">
          <img src="{{url_for('static',filename='images/home1.jpg')}}">
</div>
<div class="note">
<h2>NUTRITION FACTS</h2>
<ol>
    <li>Added Sugar Is a Disaster</li>
    <li> Omega-3 Fats Are Crucial and Most People Don’t Get Enough</li>
    <li>There Is No Perfect Diet for Everyone</li>
    <li>Artificial Trans Fats Are Very Unhealthy</li>
    <li>decrease obesity</li>
```

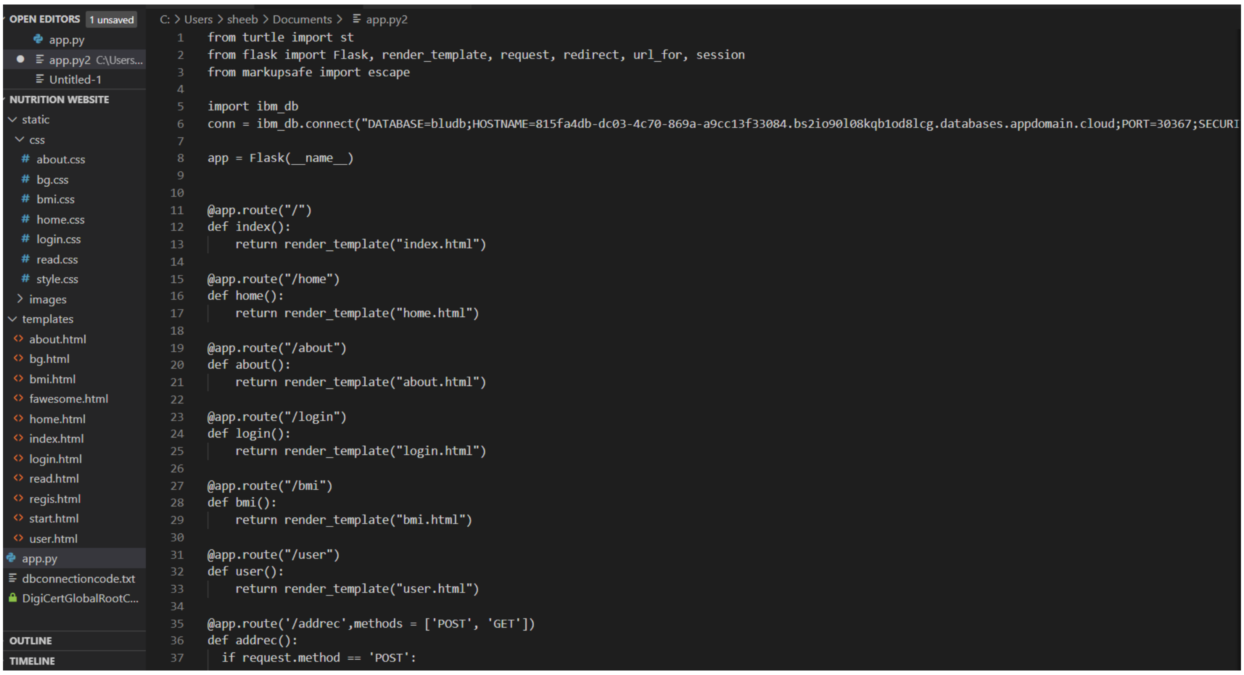
```
</ol>
</div>
</div>
 </body>

</html>
```

Login.html:

```
<!DOCTYPE html>
<html>
<head>
<title>nutrition</title>
<link rel="stylesheet"  href="{{url_for('static',filename='css/login.css')}}">
</head>
<body>
   <body background="{{url_for('static',filename='images/black.jpg')}}">


<div class="header">

<form>
<label> ENTER EMAIL </label>  <input type="email" required><br><br>
<label> CONFIRM EMAIL </label> <input type="email" required><br><br>
<label> COUNTRIES </label>
<select>
<option name="COUNTRIES" value="INDIA" >INDIA</option>
<option name="COUNTRIES" value="USA" >USA</option>
<option name="COUNTRIES" value="UK" >UK</option>
<option name="COUNTRIES" value="JAPAN" >JAPAN</option>
</select>

<br><br>

<label> ENTER PASSWORD </label><input type="password" required> <br>
<br>
<label> CONFIRM PASSWORD </label><input type="password" required>
<br>
<h4><input type="checkbox" name="conditions"  value="terms" class="signup">
yes,i agree  to all the terms given by this website.</h4>

<button type="submit">sign in</button>

<br><br>
</form>
```

```
</div>
</body>
</html>
```

Dbconnection:



```python
from turtle import st
from flask import Flask, render_template, request, redirect, url_for, session
from markupsafe import escape

import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=815fa4db-dc03-4c70-869a-a9cc13f33084.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30367;SECURI

app = Flask(__name__)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def index():
    return render_template("index.html")

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def bmi():
    return render_template("bmi.html")

@app.route("/user")
def user():
    return render_template("user.html")

@app.route('/addrec',methods = ['POST', 'GET'])
def addrec():
  if request.method == 'POST':
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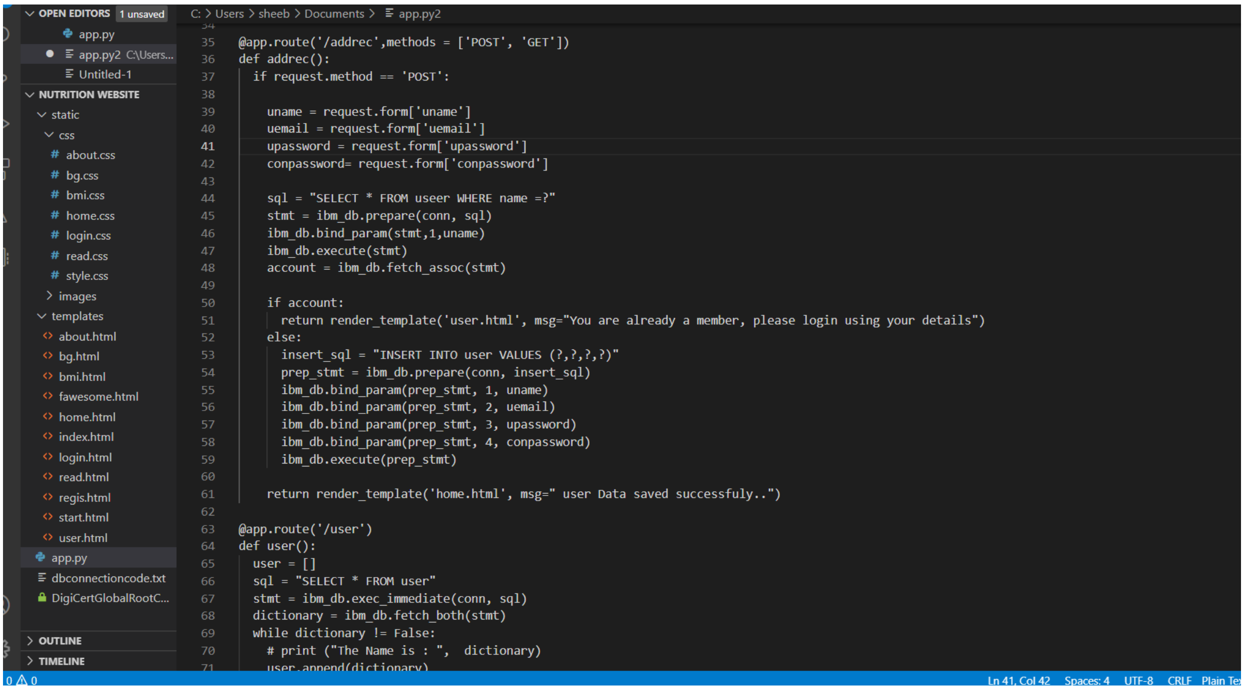

```python
@app.route('/addrec',methods = ['POST', 'GET'])
def addrec():
  if request.method == 'POST':

    uname = request.form['uname']
    uemail = request.form['uemail']
    upassword = request.form['upassword']
    conpassword= request.form['conpassword']

    sql = "SELECT * FROM useer WHERE name =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,uname)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)

    if account:
      return render_template('user.html', msg="You are already a member, please login using your details")
    else:
      insert_sql = "INSERT INTO user VALUES (?,?,?,?)"
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      ibm_db.execute(prep_stmt)

    return render_template('home.html', msg=" user Data saved successfuly..")

@app.route('/user')
def user():
  user = []
  sql = "SELECT * FROM user"
  stmt = ibm_db.exec_immediate(conn, sql)
  dictionary = ibm_db.fetch_both(stmt)
  while dictionary != False:
    # print ("The Name is : ",  dictionary)
    user.append(dictionary)
```
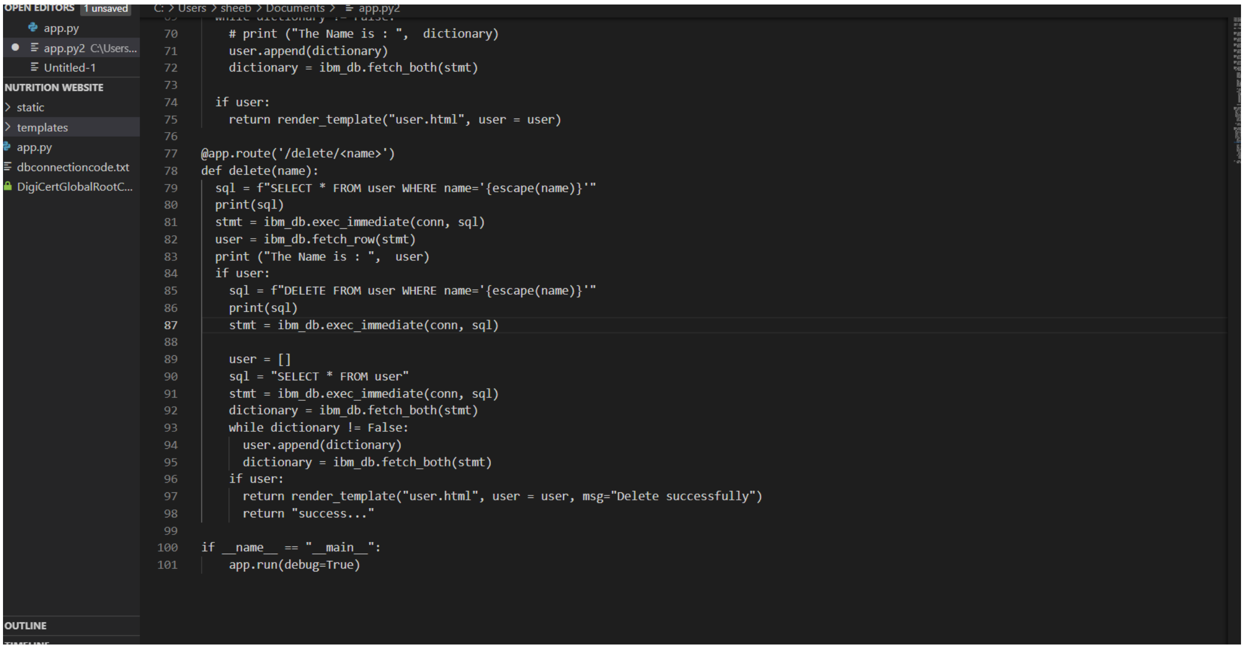
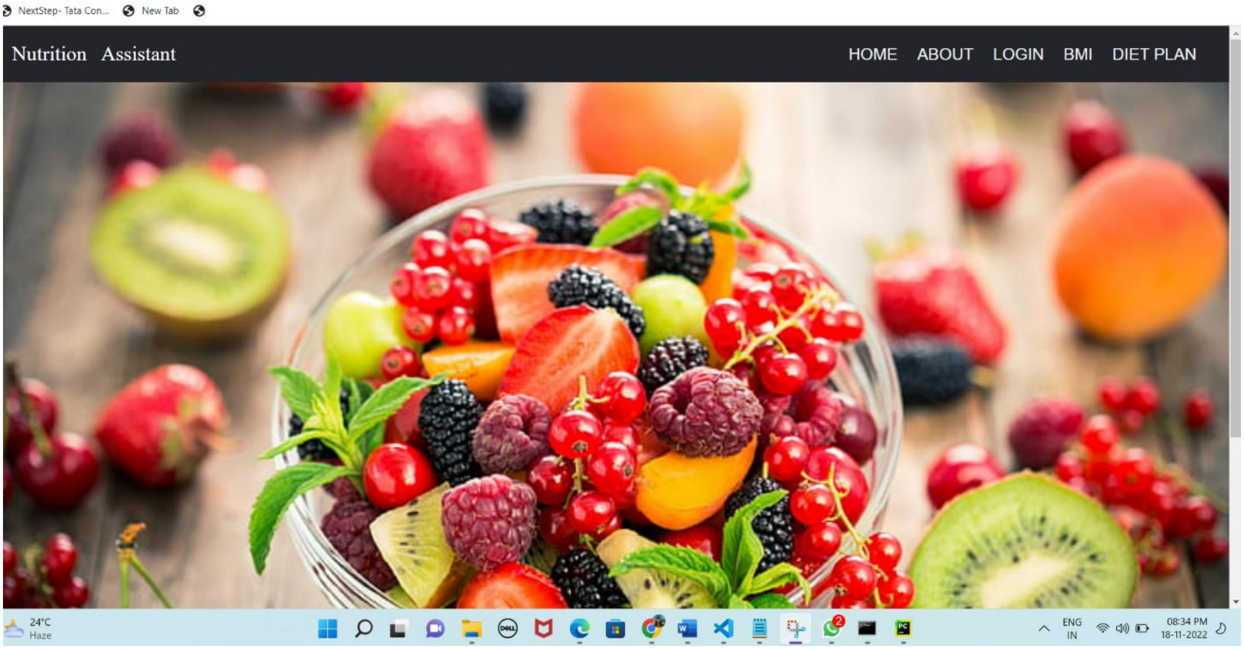
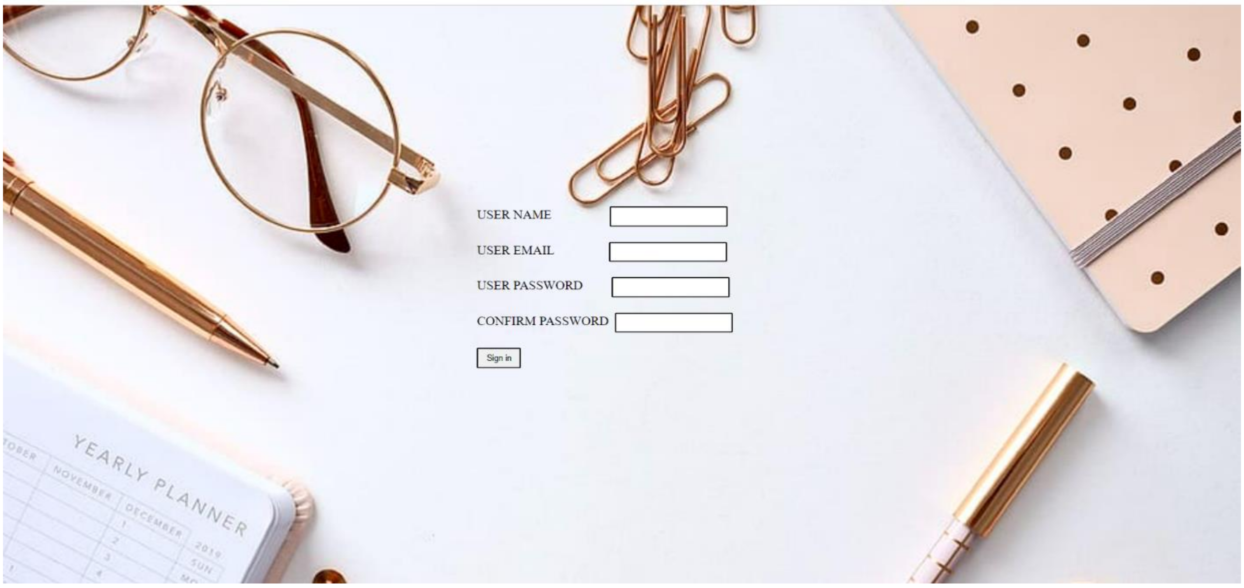



```
  while dictionary != False:
    # print ("The Name is : ",  dictionary)
    user.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)

  if user:
    return render_template("user.html", user = user)

@app.route('/delete/<name>')
def delete(name):
  sql = f"SELECT * FROM user WHERE name='{escape(name)}'"
  print(sql)
  stmt = ibm_db.exec_immediate(conn, sql)
  user = ibm_db.fetch_row(stmt)
  print ("The Name is : ",  user)
  if user:
    sql = f"DELETE FROM user WHERE name='{escape(name)}'"
    print(sql)
    stmt = ibm_db.exec_immediate(conn, sql)

    user = []
    sql = "SELECT * FROM user"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
      user.append(dictionary)
      dictionary = ibm_db.fetch_both(stmt)
    if user:
      return render_template("user.html", user = user, msg="Delete successfully")
      return "success..."

if __name__ == "__main__":
    app.run(debug=True)
```





USER NAME

USER EMAIL

USER PASSWORD

CONFIRM PASSWORD