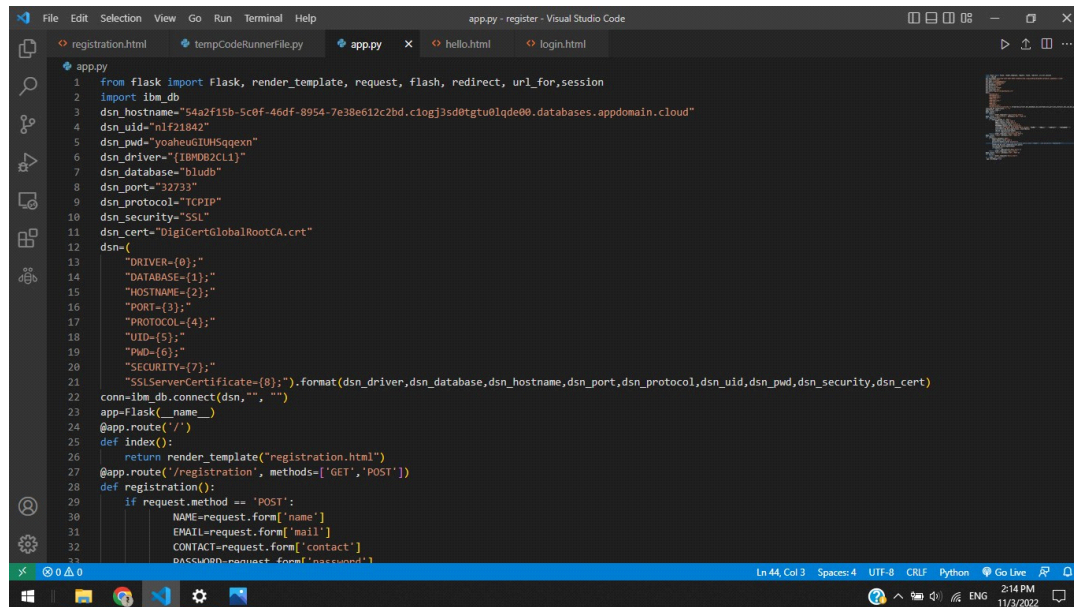


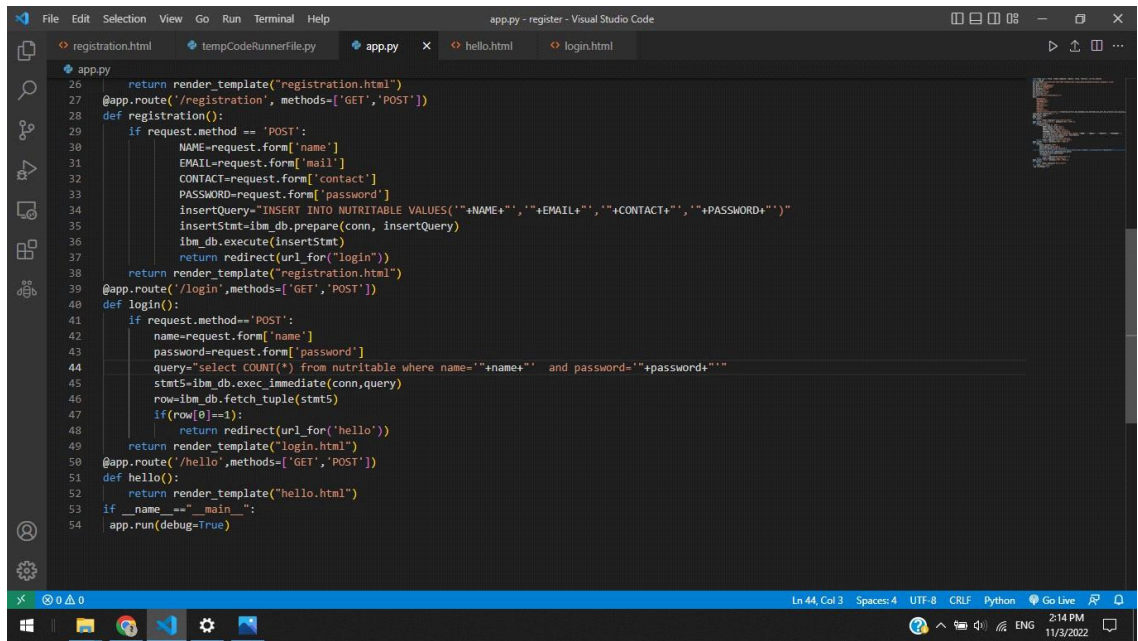
IMPLEMENTING WEB APPLICATION CREATE UI TO INTERACT WITH APPLICATION

Date	24 September 2022
Team ID	PNT2022TMID50416
Project Name	Nutrition Assistant Application
Maximum Marks	2 Marks

Registration.html :

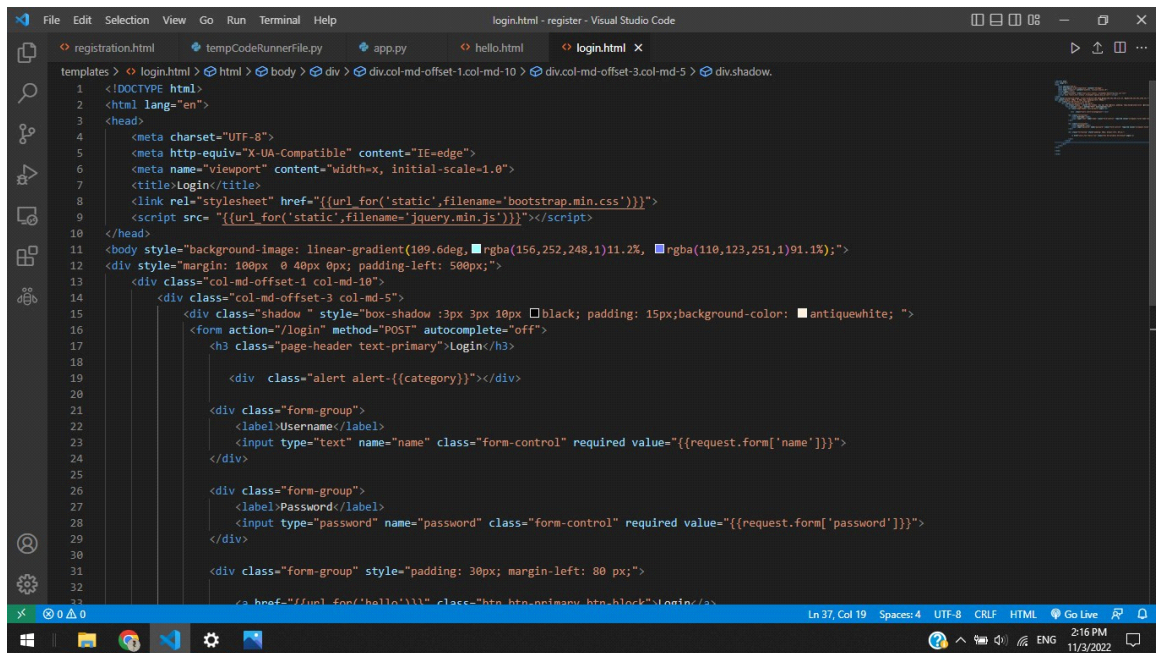


```
1 from flask import Flask, render_template, request, flash, redirect, url_for, session
2 import ibm_db
3 dsn_hostname="54a2f15b-5c0f-46df-8954-7e38e612c2bd.c10g3sd0tgtu@lqde00.databases.appdomain.cloud"
4 dsn_uid="nlF21842"
5 dsn_pwd="yoaheuGIUHSqqexn"
6 dsn_driver="{IBMDB2CL1}"
7 dsn_database="bludb"
8 dsn_port="32733"
9 dsn_protocol="TCP/IP"
10 dsn_security="SSL"
11 dsn_cert="DigICertGlobalRootCA.crt"
12 dsn={
13     "DRIVER={0};"
14     "DATABASE={1};"
15     "HOSTNAME={2};"
16     "PORT={3};"
17     "PROTOCOL={4};"
18     "UID={5};"
19     "PWD={6};"
20     "SECURITY={7};"
21     "SSLServerCertificate={8};"
22 }.format(dsn_driver,dsn_database,dsn_hostname,dsn_port,dsn_protocol,dsn_uid,dsn_pwd,dsn_security,dsn_cert)
23 conn=ibm_db.connect(dsn, "", "")
24 app=Flask(__name__)
25 @app.route("/")
26 def index():
27     return render_template("registration.html")
28 @app.route("/registration", methods=['GET','POST'])
29 def registration():
30     if request.method == 'POST':
31         NAME=request.form['name']
32         EMAIL=request.form['mail']
33         CONTACT=request.form['contact']
34         PASSWORD=request.form['password']
```

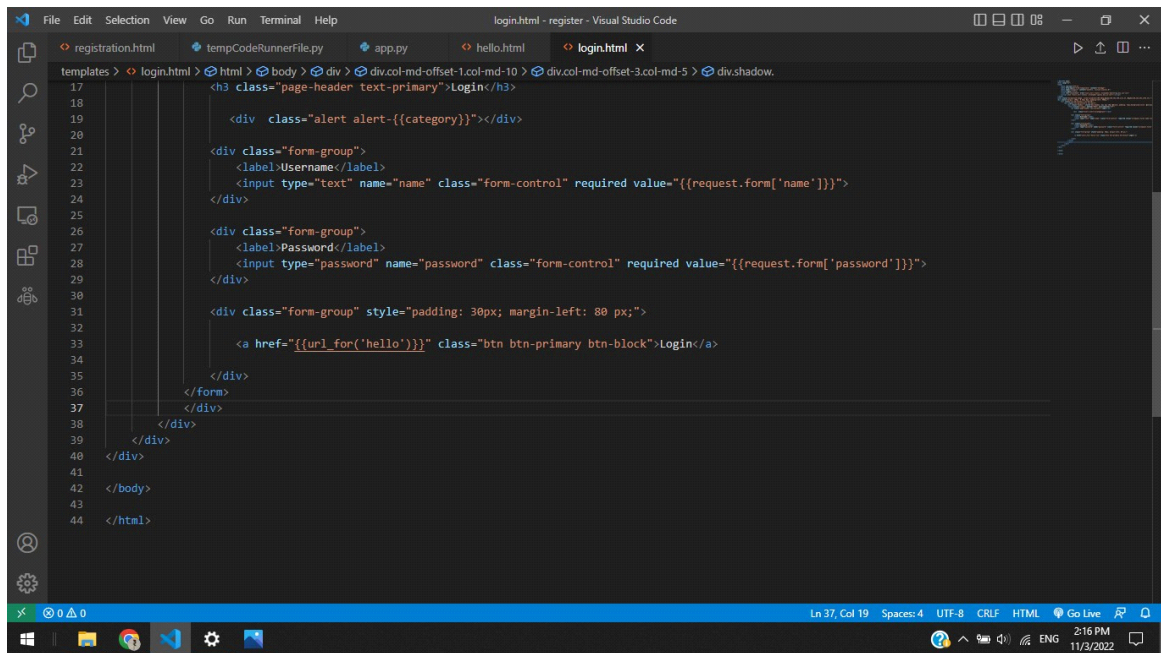


```
26 return render_template("registration.html")
27 @app.route('/registration', methods=['GET', 'POST'])
28 def registration():
29     if request.method == 'POST':
30         NAME=request.form['name']
31         EMAIL=request.form['mail']
32         CONTACT=request.form['contact']
33         PASSWORD=request.form['password']
34         insertQuery="INSERT INTO NUTRITABLE VALUES('"+NAME+"','"+EMAIL+"','"+CONTACT+"','"+PASSWORD+"')"
35         insertStat=ibm_db.prepare(conn, insertQuery)
36         ibm_db.execute(insertStat)
37         return redirect(url_for("login"))
38     return render_template("registration.html")
39 @app.route('/login', methods=['GET', 'POST'])
40 def login():
41     if request.method=="POST":
42         name=request.form['name']
43         password=request.form['password']
44         query="select COUNT(*) from nutritible where name='"+name+"' and password='"+password+"'"
45         stat5=ibm_db.exec_immediate(conn,query)
46         row=ibm_db.fetch_tuple(stat5)
47         if(row[0]==1):
48             return redirect(url_for('hello'))
49     return render_template("login.html")
50 @app.route('/hello', methods=['GET', 'POST'])
51 def hello():
52     return render_template("hello.html")
53 if __name__=="__main__":
54     app.run(debug=True)
```

Login :

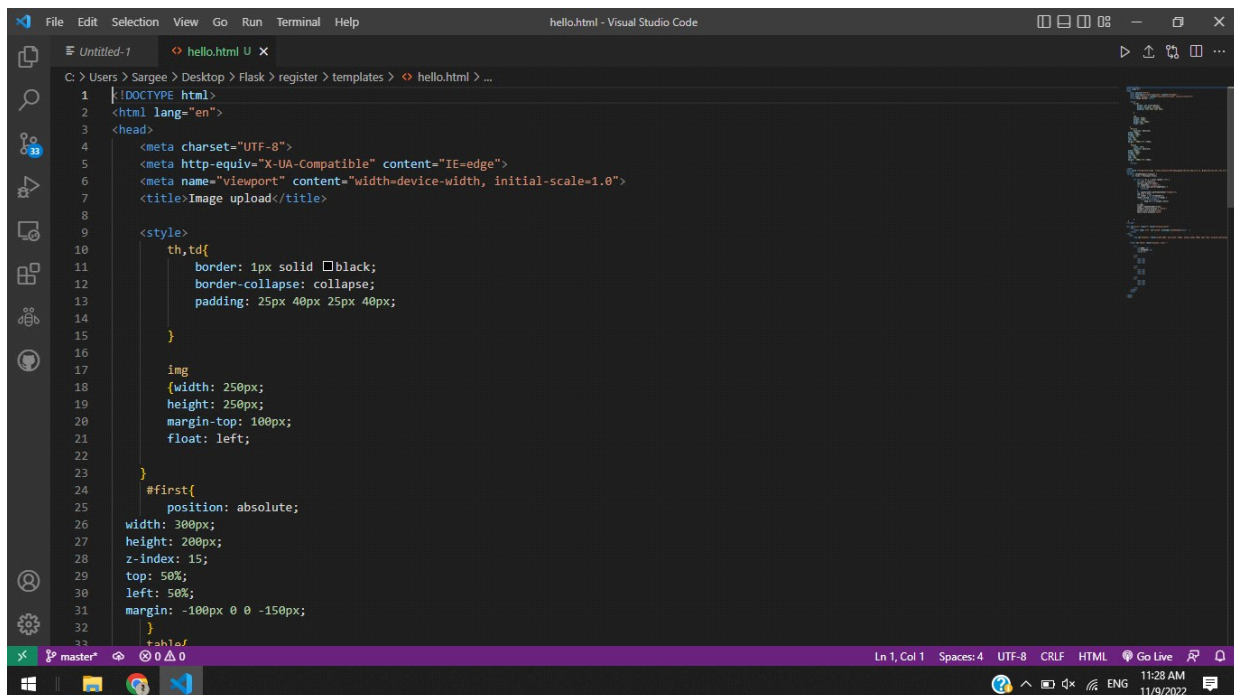


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Login</title>
8     <link rel="stylesheet" href="{{url_for('static', filename='bootstrap.min.css')}}">
9     <script src="{{url_for('static', filename='jquery.min.js')}}"></script>
10 </head>
11 <body style="background-image: linear-gradient(109.6deg, #1565c0 1%, #00bcd4 1%, #00bcd4 99%, #1565c0 99%); background-size: 400% 400%; background-position: bottom left; background-repeat: repeat;">
12 <div style="margin: 100px 0 40px 0px; padding-left: 500px;">
13     <div class="col-md-offset-1 col-md-10">
14         <div class="col-md-offset-3 col-md-5">
15             <div class="shadow" style="box-shadow: 3px 3px 10px black; padding: 15px; background-color: #f1f3f4;">
16                 <form action="/login" method="POST" autocomplete="off">
17                     <h3 class="page-header text-primary">Login</h3>
18
19                     <div class="alert alert-{{category}}"></div>
20
21                     <div class="form-group">
22                         <label>Username</label>
23                         <input type="text" name="name" class="form-control" required value="{{request.form['name']}}">
24                     </div>
25
26                     <div class="form-group">
27                         <label>Password</label>
28                         <input type="password" name="password" class="form-control" required value="{{request.form['password']}}">
29                     </div>
30
31                     <div class="form-group" style="padding: 30px; margin-left: 80px;">
32                         <button href="{{url_for('hello')}}" class="btn btn-primary btn-block">Login</button>
33                     </div>
34                 </form>
35             </div>
36         </div>
37     </div>
38 </body>
39 </html>
```



```
17 <h3 class="page-header text-primary">Login</h3>
18
19 <div class="alert alert-{{category}}"></div>
20
21 <div class="form-group">
22 <label>Username</label>
23 <input type="text" name="name" class="form-control" required value="{{request.form['name']}}">
24 </div>
25
26 <div class="form-group">
27 <label>Password</label>
28 <input type="password" name="password" class="form-control" required value="{{request.form['password']}}">
29 </div>
30
31 <div class="form-group" style="padding: 30px; margin-left: 80 px;">
32
33 <a href="{{url_for('hello')}}" class="btn btn-primary btn-block">Login</a>
34
35 </div>
36 </form>
37 </div>
38 </div>
39 </div>
40 </div>
41 </body>
42 </html>
```

Upload image and view result .html :



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>Image upload</title>
8
9 <style>
10 th,td{
11     border: 1px solid black;
12     border-collapse: collapse;
13     padding: 25px 40px 25px 40px;
14 }
15
16
17 img
18 {width: 250px;
19 height: 250px;
20 margin-top: 100px;
21 float: left;
22 }
23
24 #first{
25     position: absolute;
26 width: 300px;
27 height: 200px;
28 z-index: 15;
29 top: 50%;
30 left: 50%;
31 margin: -100px 0 0 -150px;
32 }
33 </style>
```

```
File Edit Selection View Go Run Terminal Help
hello.html - Visual Studio Code

C:\Users\Sargee\Desktop>Flask>register>templates>hello.html>...

29 top: 50%;
30 left: 50%;
31 margin: -100px 0 0 -150px;
32 }
33 table{
34     float: left;
35     position: absolute;
36     width: 300px;
37     height: 200px;
38     z-index: 15;
39     top: 40%;
40     left: 50%;
41     margin: -100px 0 0 -150px;
42 }
43 </style>
44
45 </head>
46 <body style="background-image: linear-gradient(109.6deg, rgba(156,252,248,1)11.2%, rgba(110,123,251,1)91.1%)">
47 <script>
48 function showMyImage(fileInput) {
49     var files = fileInput.files;
50
51     for (var i = 0; i < files.length; i++) {
52         var file = files[i];
53         console.log(file.name);
54         var imageType = /image.*/;
55         if (!file.type.match(imageType)) {
56             continue;
57         }
58         var img=document.getElementById("thumbnail");
59         img.file = file;
60         var reader = new FileReader();
61     }
62 }
```

```
File Edit Selection View Go Run Terminal Help
hello.html - Visual Studio Code

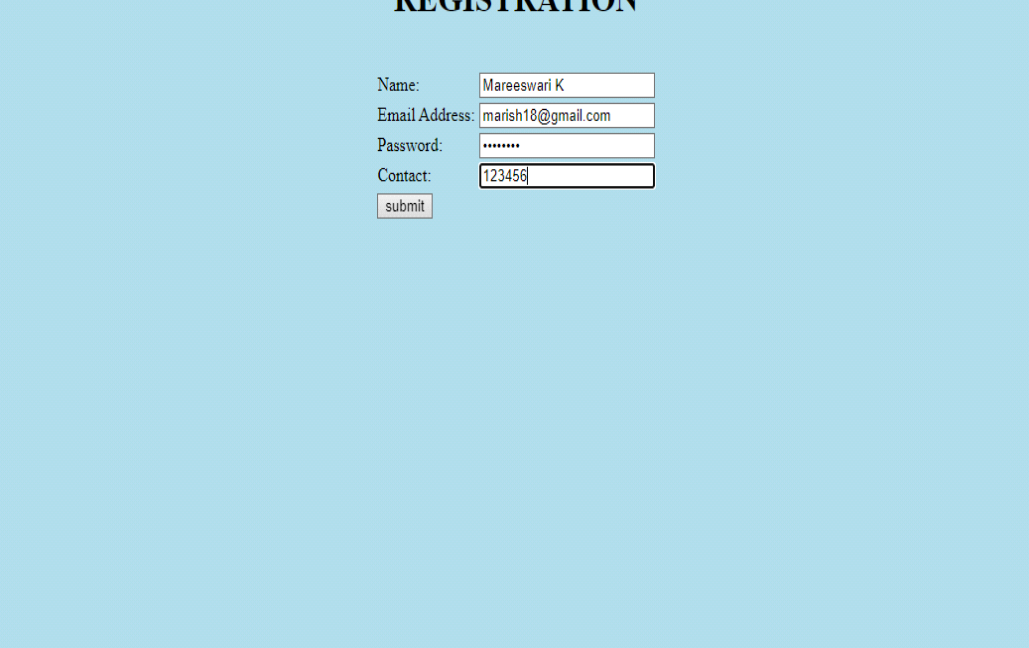
C:\Users\Sargee\Desktop>Flask>register>templates>hello.html>...

84 <img id="thumbnail" style="width:100%; max-width: 250px; margin:125px 100px 10px 79px; display:none;margin-right: 100px;" src="" alt="pic" />
85
86
87 <table id="table" style="display: none;" >
88
89     <tr>
90         <th>NAME</th>
91         <th>CALORIES</th>
92         <th>%</th>
93     </tr>
94
95     <tr>
96         <td></td>
97         <td></td>
98         <td></td>
99     </tr>
100
101     <tr>
102         <td></td>
103         <td></td>
104         <td></td>
105     </tr>
106
107     <tr>
108         <td></td>
109         <td></td>
110         <td></td>
111     </tr>
112 </table>
113 </div>
114
115
```


The image shows a Visual Studio Code editor window with a file named 'hello.html'. The code is a mix of JavaScript and HTML. The JavaScript part uses the File API to read a file and display its content as a data URL. The HTML part contains a form with a file input, a thumbnail image, and a table with headers for 'NAME' and 'CALORIES'.

```
60  img.file = file;
61  var reader = new FileReader();
62  reader.onload = (function(aImg) {
63      return function(e) {
64          aImg.src = e.target.result;
65      };
66  })(img);
67  reader.readAsDataURL(file);
68  thumbnail.style.display = 'block';
69  upload.style.display="none"
70  table.style.display="block"
71
72
73
74  }
75
76  </script>
77
78  <div id="first" class="1" style="display:block">
79      <form>
80          <input type="file" id="upload" onchange="showMyImage(this)" />
81      </form>
82  </div>
83  <div>
84      <img id="thumbnail" style="width:100%; max-width: 250px; margin:125px 100px 10px 79px; display:none;margin-right: 100px;" src="" alt="pic
85
86
87  <table id="table" style="display: none;" >
88
89      <tr>
90          <th>NAME</th>
91          <th>CALORIES</th>
92          <th>%</th>
```

Registration page :



The screenshot shows a web browser window with a light blue background. At the top, the browser's address bar displays the file path: file:///C:/Users/ELCOT/Desktop/form.html. The page title is "REGISTRATION" in a large, bold, black serif font, centered at the top. Below the title, there is a registration form with four labeled input fields and a submit button. The "Name:" field contains "Mareeswari K". The "Email Address:" field contains "marish18@gmail.com". The "Password:" field contains seven asterisks "*****". The "Contact:" field contains "123456". A rectangular button labeled "submit" is positioned below the "Contact:" field. The browser's toolbar at the top includes navigation icons (back, forward, refresh, home), a search icon, and a menu icon.

Name:	Mareeswari K
Email Address:	marish18@gmail.com
Password:	*****
Contact:	123456
<input type="submit" value="submit"/>	

Login page :

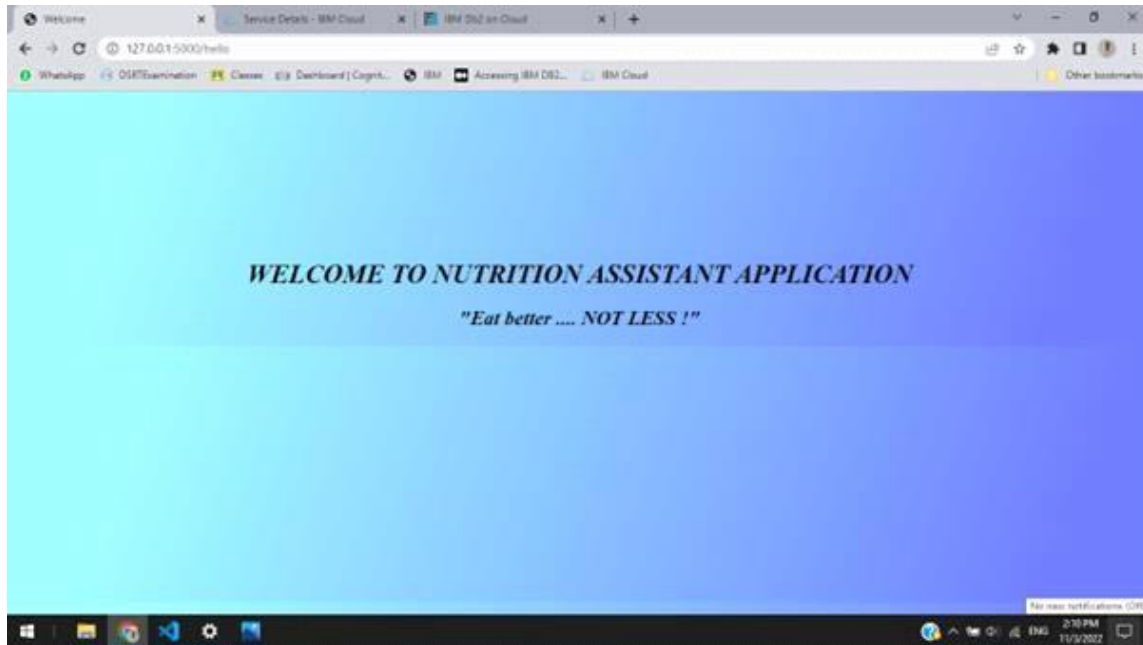
file:///C:/Users/ELCOT/Desktop/form.html

LOGIN

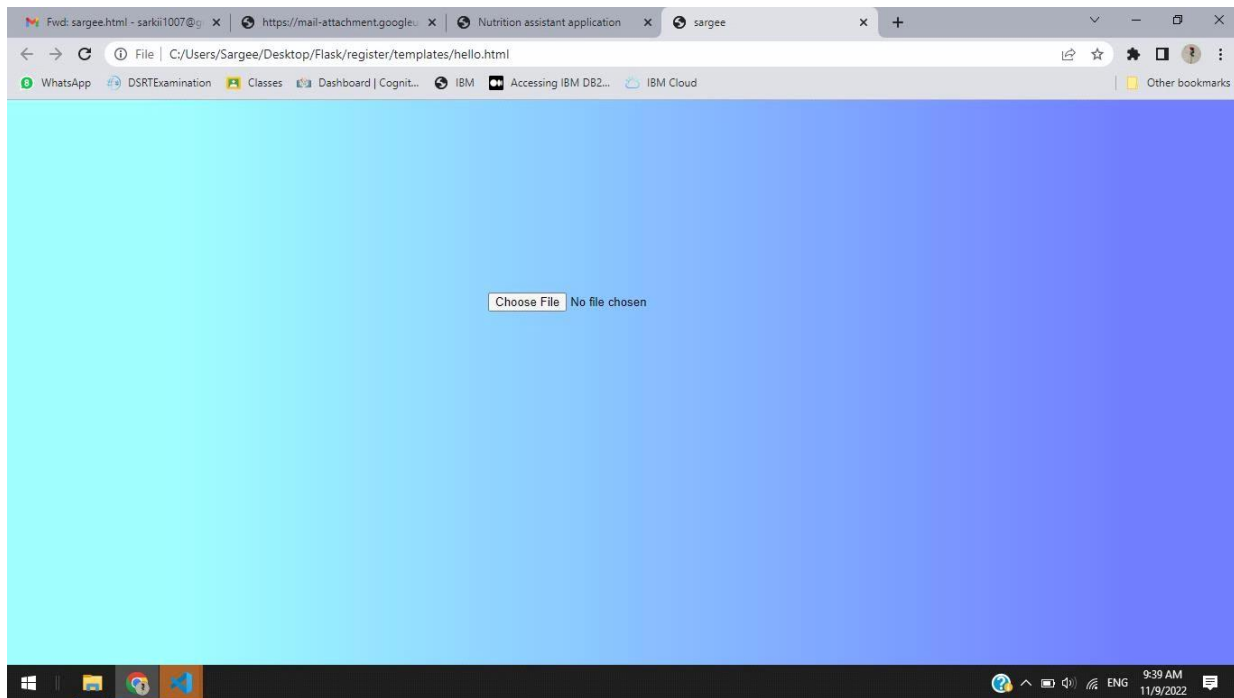
Username:

Password:

Welcome page :



Upload Image page




Prediction results page for food items

Fwd: sargee.html - sarkii1007@g...<https://mail-attachment.google...>Nutrition assistant applicationx


sargee


File | C:/Users/Sargee/Desktop/Flask/register/templates/hello.html

WhatsAppDSRTEvaluationClassesDashboard | Cognit...IBMAccessing IBM DB2...IBM CloudOther bookmarks



NAME	CALORIES	%





9:40 AM
11/9/2022