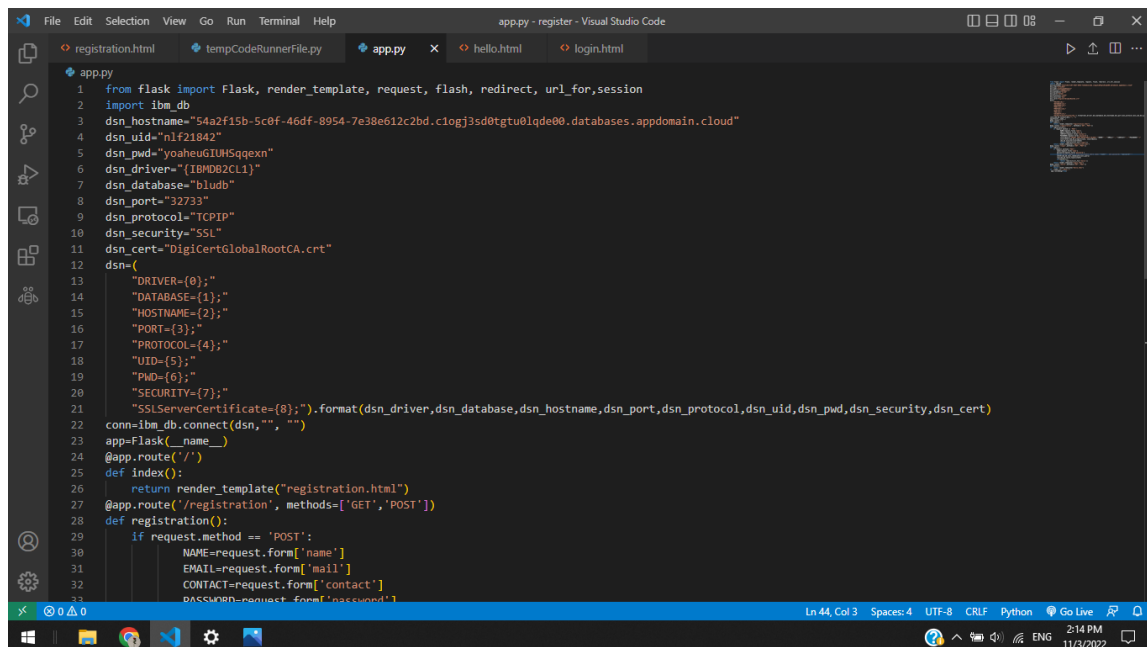


# IMPLEMENTING WEB APPLICATION

## CREATE UI TO INTERACT WITH APPLICATION

Date	24 September 2022
Team ID	PNT2022TMID54057
Project Name	Nutrition Assistant Application
Maximum Marks	2 Marks

### Registration.html :

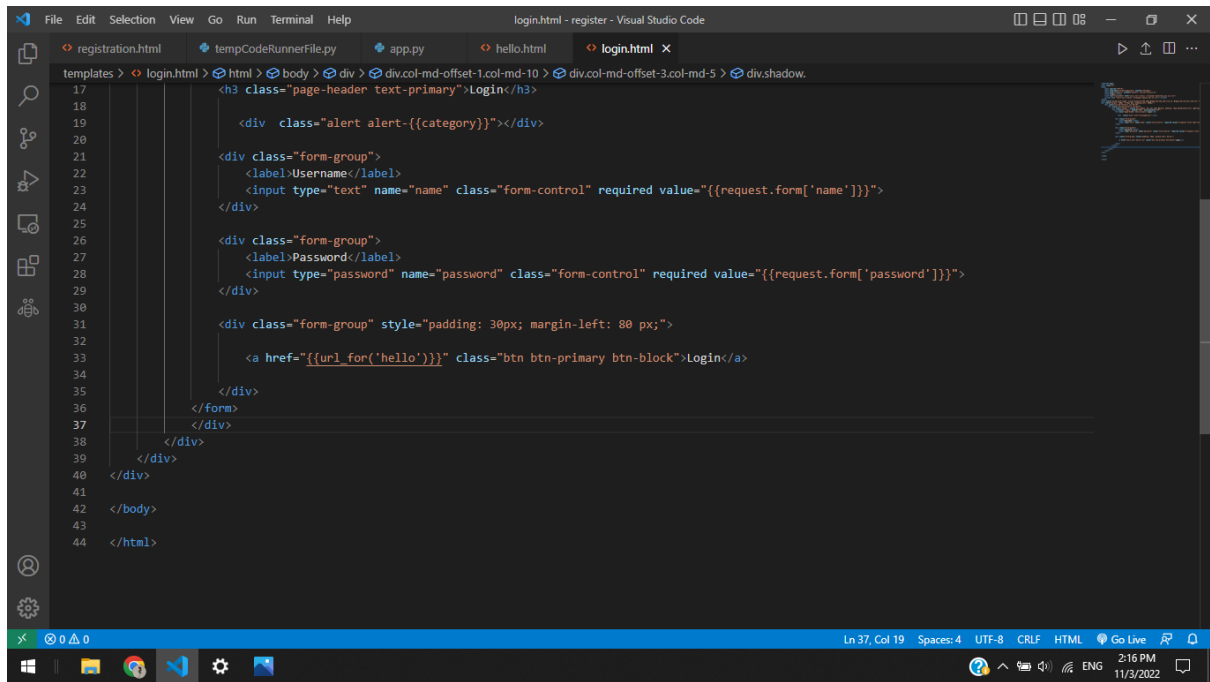


```
1 from flask import Flask, render_template, request, flash, redirect, url_for, session
2 import ibm_db
3 dsn_hostname="54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.apptomain.cloud"
4 dsn_uid="nlf21842"
5 dsn_pwd="yoaheugIUH5qqexn"
6 dsn_driver="(IBMDB2CL1)"
7 dsn_database="bludb"
8 dsn_port="32733"
9 dsn_protocol="TCPIP"
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};".format(dsn_driver,dsn_database,dsn_hostname,dsn_port,dsn_protocol,dsn_uid,dsn_pwd,dsn_security,dsn_cert)
22 conn=ibm_db.connect(dsn, "", "")
23 app=Flask(__name__)
24 @app.route('/')
25 def index():
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']
```

```
File Edit Selection View Go Run Terminal Help
app.py - register - Visual Studio Code
registration.html tempCodeRunnerFile.py app.py x hello.html login.html
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         insertStmt=ibm_db.prepare(conn, insertQuery)
36         ibm_db.execute(insertStmt)
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 nutritable where name='"+name+"' and password='"+password+"'"
45         stmt5=ibm_db.exec_immediate(conn,query)
46         row=ibm_db.fetch_tuple(stmt5)
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)
```

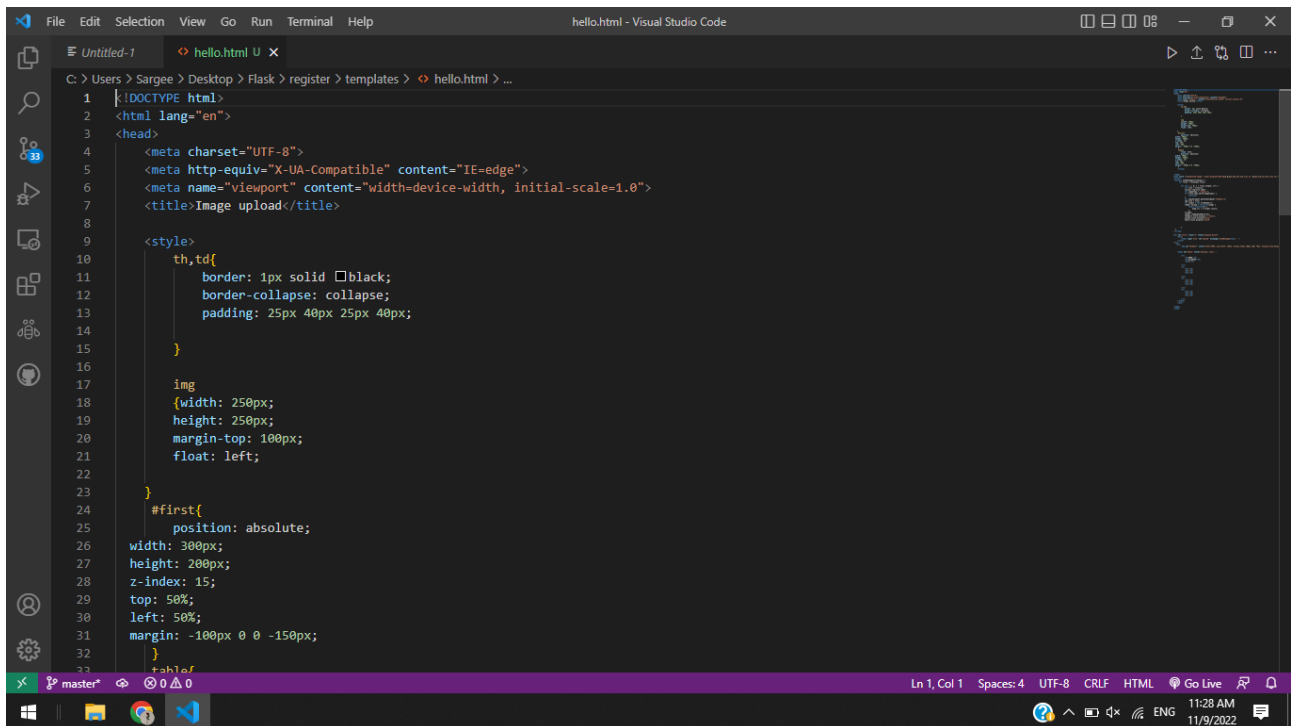
Login :

```
File Edit Selection View Go Run Terminal Help
login.html - register - Visual Studio Code
registration.html tempCodeRunnerFile.py app.py x hello.html login.html x
templates > login.html > html > body > div > div.col-md-offset-1.col-md-10 > div.col-md-offset-3.col-md-5 > div.shadow.
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, rgba(156,252,248,1)11.2%, rgba(110,123,251,1)91.1%);">
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: antiquewhite;">
16 <form action="/login" method="POST" autocomplete="off">
17 <h3 class="page-header text-primary">Login</h3>
18 <div class="alert alert-{{category}}"></div>
19 <div class="form-group">
20 <label>Username</label>
21 <input type="text" name="name" class="form-control" required value="{{request.form['name']}}">
22 </div>
23 <div class="form-group">
24 <label>Password</label>
25 <input type="password" name="password" class="form-control" required value="{{request.form['password']}}">
26 </div>
27 <div class="form-group" style="padding: 30px; margin-left: 80 px;">
28 <a href="{{url_for('hello')}}" class="btn btn-primary btn-block">Login</a>
29 </div>
30 </div>
31 </div>
32 </div>
33 </body>
```



```
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
42 </body>
43
44 </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 {
19     width: 250px;
20     height: 250px;
21     margin-top: 100px;
22     float: left;
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 table{
```

```
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
46 </head>
47 <body style="background-image: linear-gradient(109.6deg, rgba(156,252,248,1)11.2%, rgba(110,123,251,1)91.1%)">
48 <script>
49 function showMyImage(fileInput) {
50 var files = fileInput.files;
51
52 for (var i = 0; i < files.length; i++) {
53 var file = files[i];
54 console.log(file.name);
55 var imageType = /image.*/;
56 if (!file.type.match(imageType)) {
57 continue;
58 }
59 var img=document.getElementById("thumbnail");
60 img.file = file;
61 var reader = new FileReader();
```

```
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
94 </tr>
95 <tr>
96 <td></td>
97 <td></td>
98 <td></td>
99
100 </tr>
101 <tr>
102 <td></td>
103 <td></td>
104 <td></td>
105
106 </tr>
107 <tr>
108 <td></td>
109 <td></td>
110 <td></td>
111
112 </tr>
113 </table>
114 </div>
115
```

```

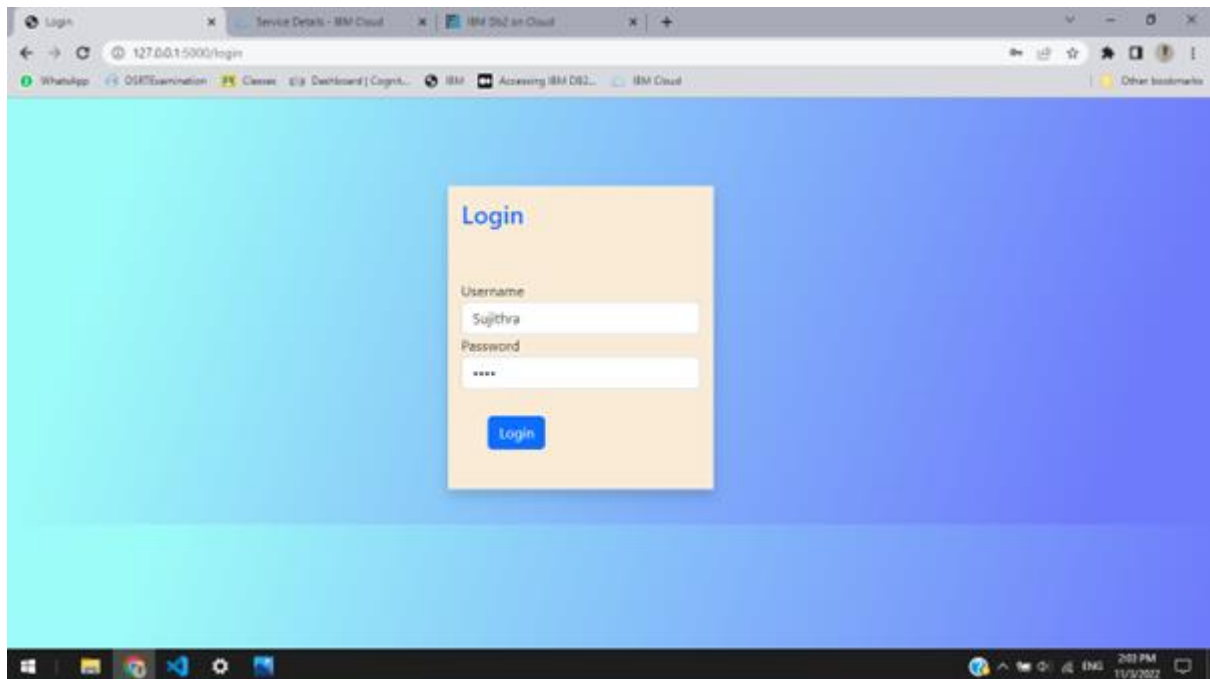
C:\Users\Sargee\Desktop\Flask>register>templates>hello.html ...
50  img.file = file;
61  var reader = new FileReader();
62  reader.onload = (function(aImg) {
63      return function(e) {
64          aImg.src = e.target.result;
65      };
66  })(img);
67  reader.readAsDataURL(file);
68  thumbnail.style.display = '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>

```

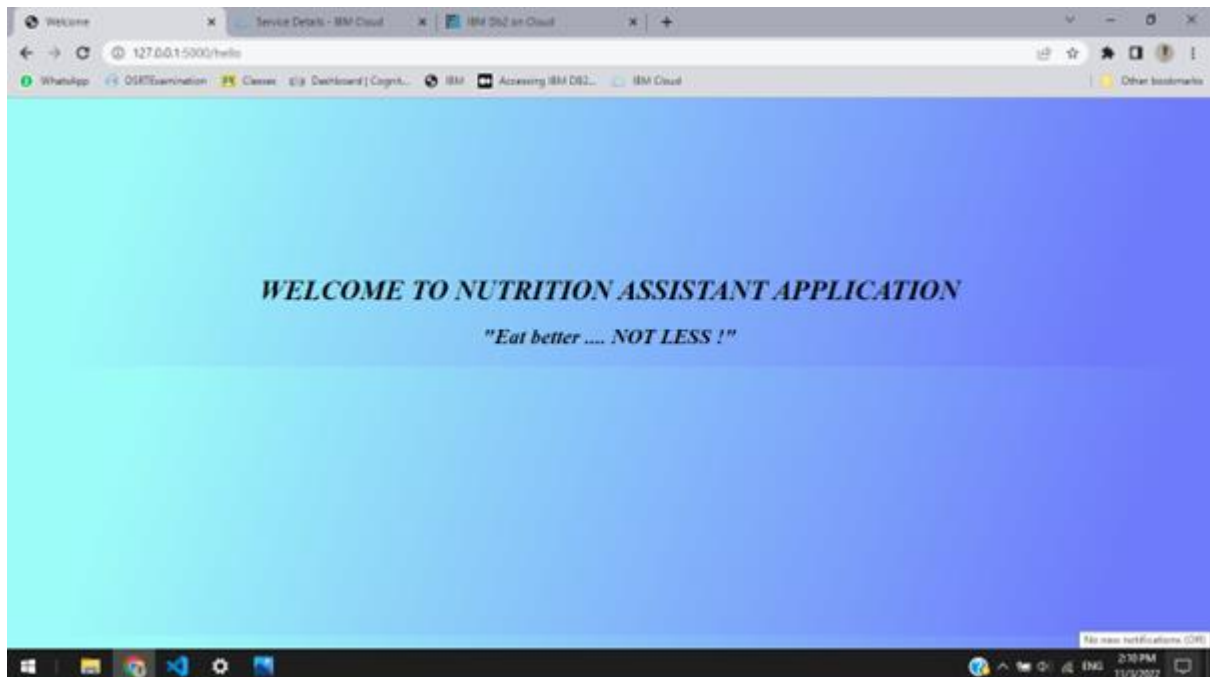
## Registration page :

The screenshot shows a web browser window with a registration form. The browser's address bar displays the URL '127.0.0.1:5000'. The form is titled 'Registration' and is set against a light blue background. It contains four input fields: 'Name' (filled with 'Sujithra'), 'Mail' (filled with 'sujith@gmail'), 'Contact' (filled with '23456'), and 'Password' (masked with four asterisks). Below the input fields are two buttons: a green 'Register' button and a blue 'Login' button. The browser's taskbar at the bottom shows the time as 2:03 PM on 11/3/2022.

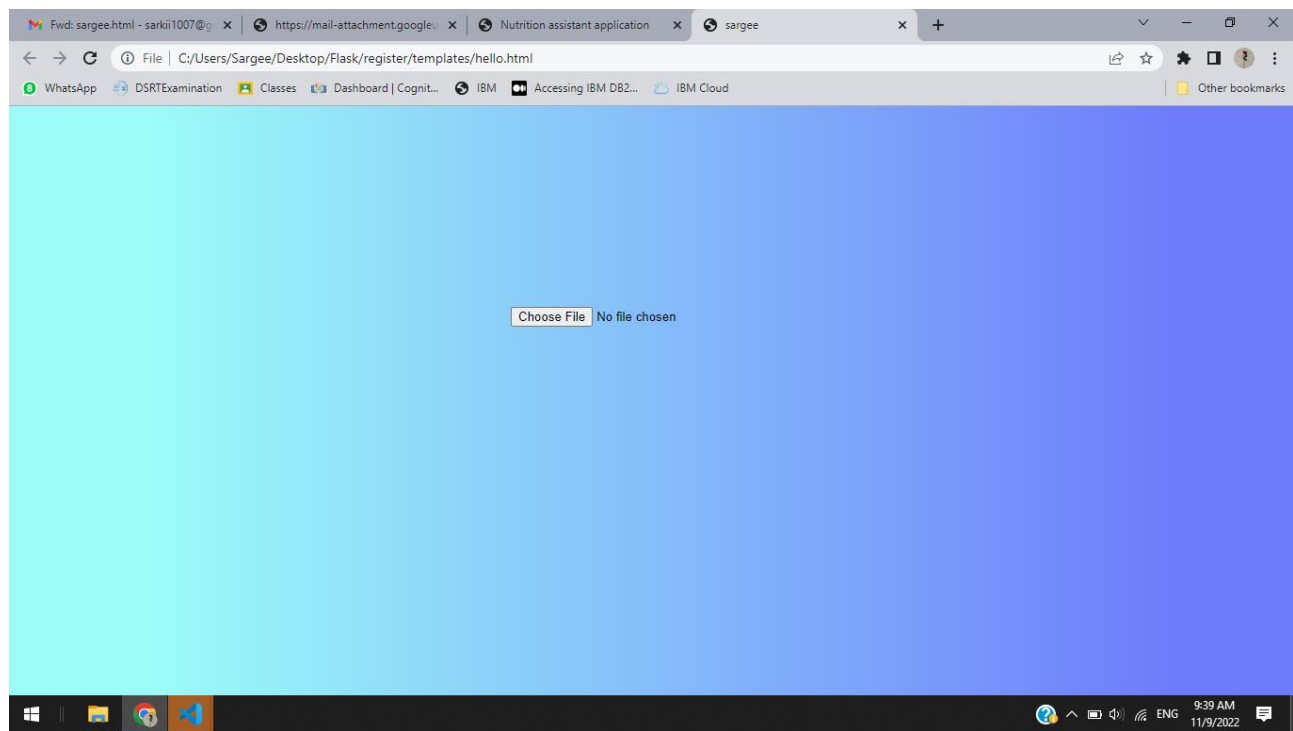
## Login page :



## Welcome page :



## Upload Image page



## Prediction results page for food items

