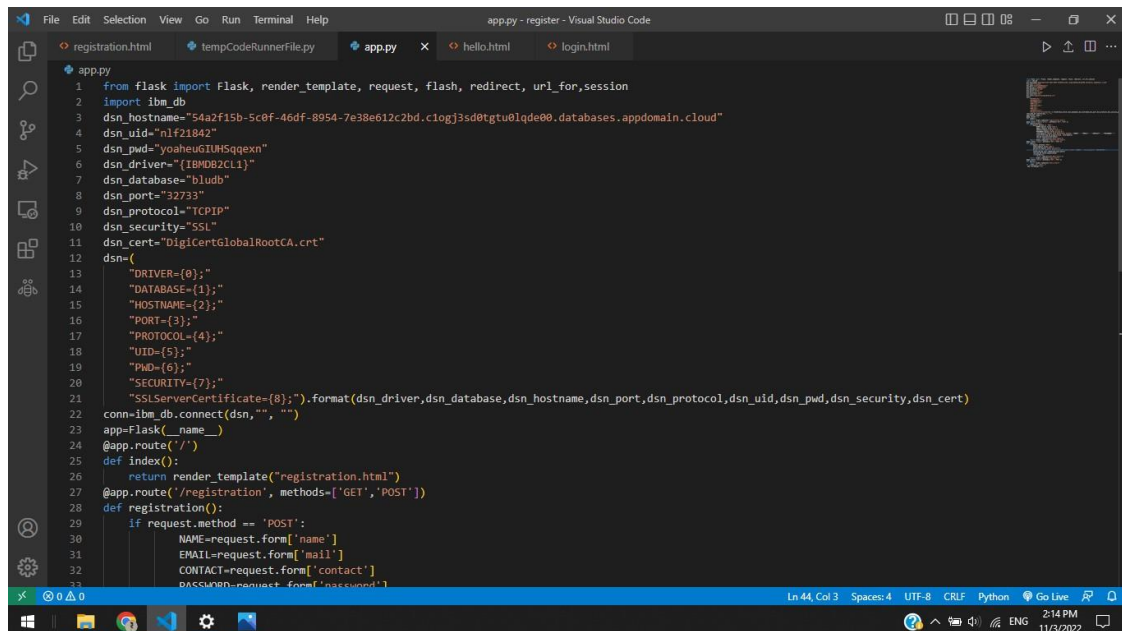


IMPLEMENTING WEB APPLICATION

CREATE UI TO INTERACT WITH APPLICATION

Date	10 November 2022
Team ID	PNT2022TMID53745
Project Name	Nutrition Assistant Application
Maximum Marks	2 Marks

Registration.html :

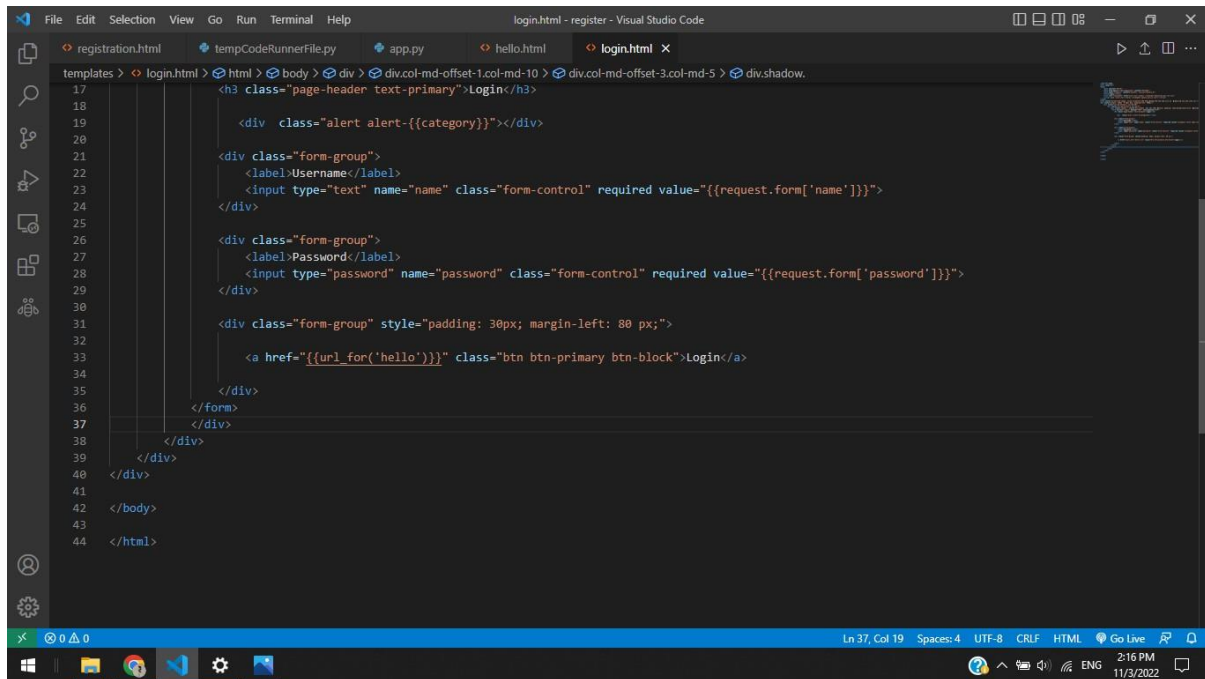


```
1 from flask import Flask, render_template, request, flash, redirect, url_for, session
2 import ibm_db
3 dsn_hostname="54a2f15b-5c8f-46df-8954-7e38e612c2bd.c1ogj3sd0gtu0lqde00.databases.appdomain.cloud"
4 dsn_uid="nlf21842"
5 dsn_pwd="y0aheug1uhsqexn"
6 dsn_driver="{IBMDB2CLI}"
7 dsn_database="bludb"
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};").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)
```

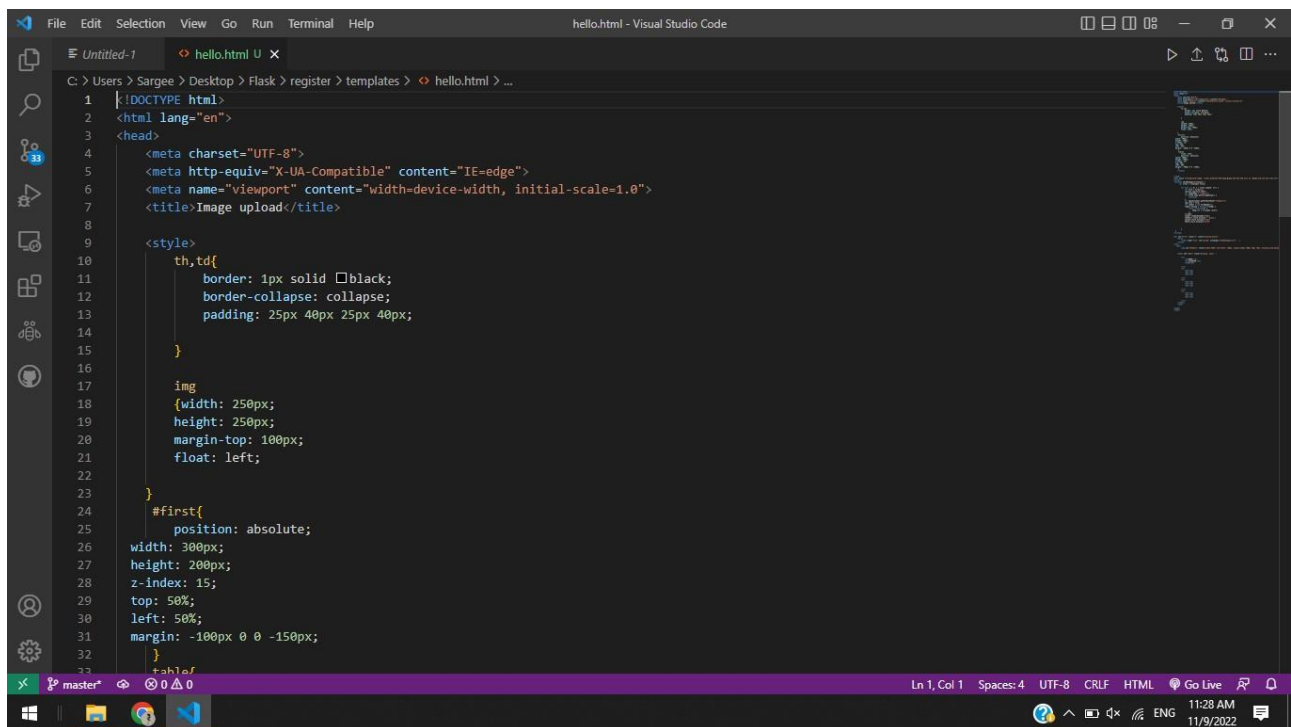
Login :

```
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, #1565c0 11.2%, #1976d2 11.2%, #1976d2 91.1%, #1976d2 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: #f2f2f2;">
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 <a href="{{url_for('hello')}}" class="btn btn-primary btn-block">Login</a>
```



```
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 {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
```

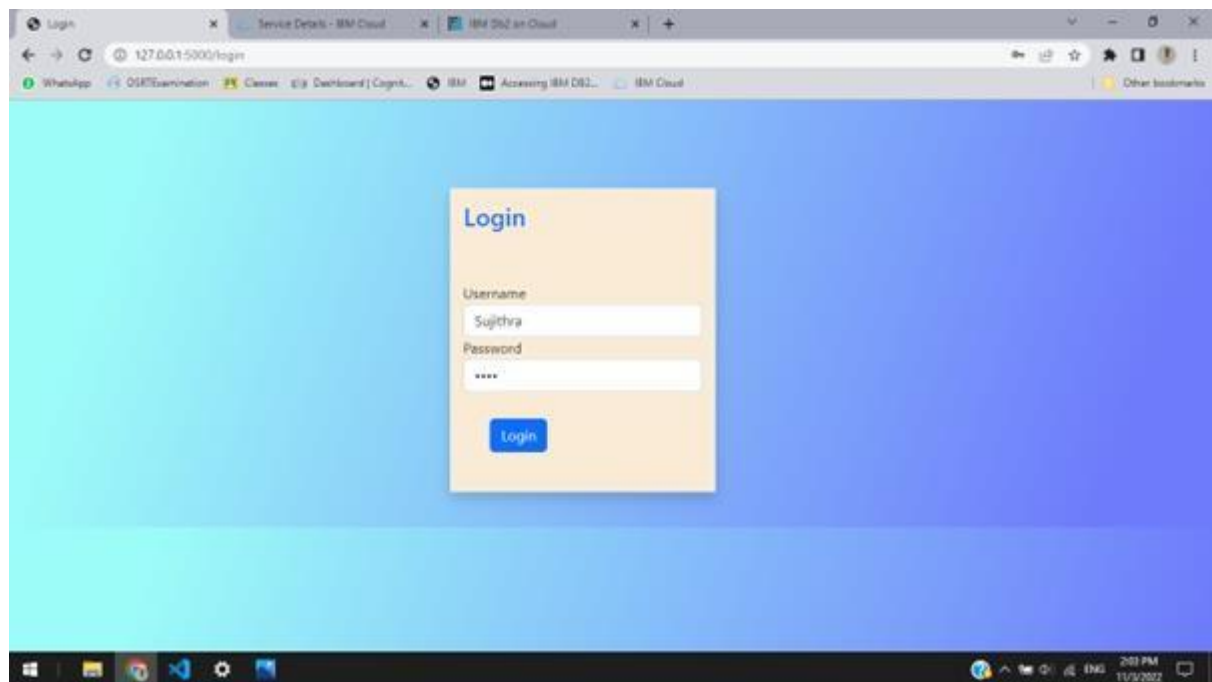
```
File Edit Selection View Go Run Terminal Help
hello.html - Visual Studio Code

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 }
```

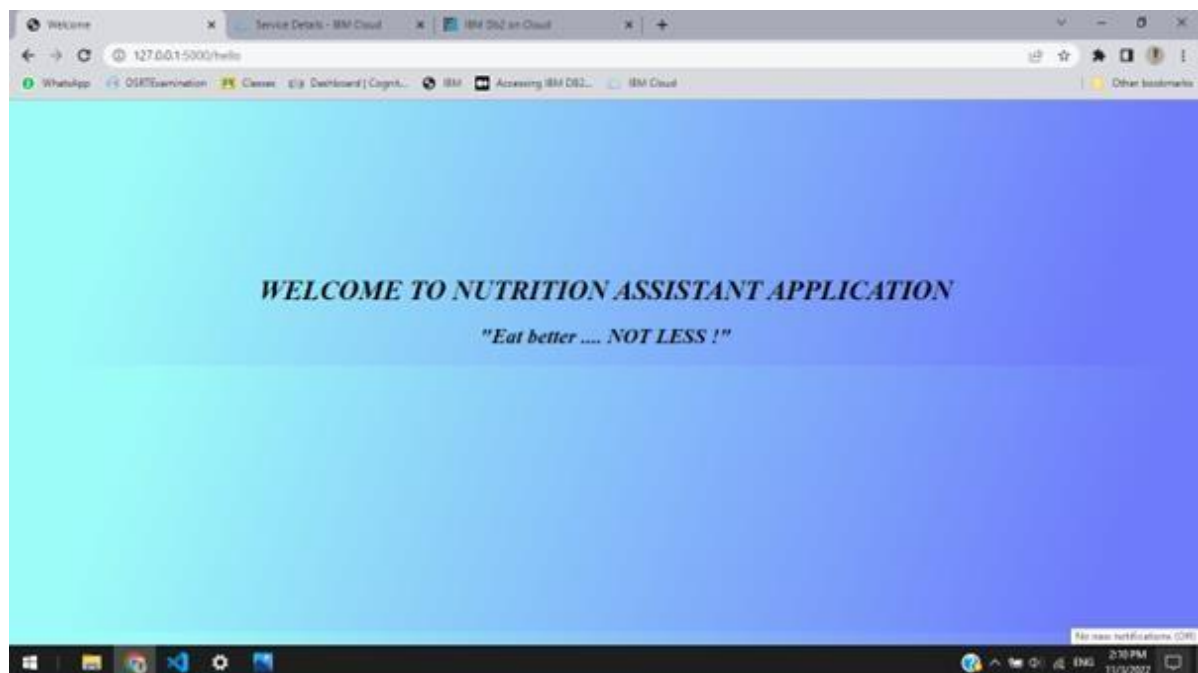
```
File Edit Selection View Go Run Terminal Help
hello.html - Visual Studio Code

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
```

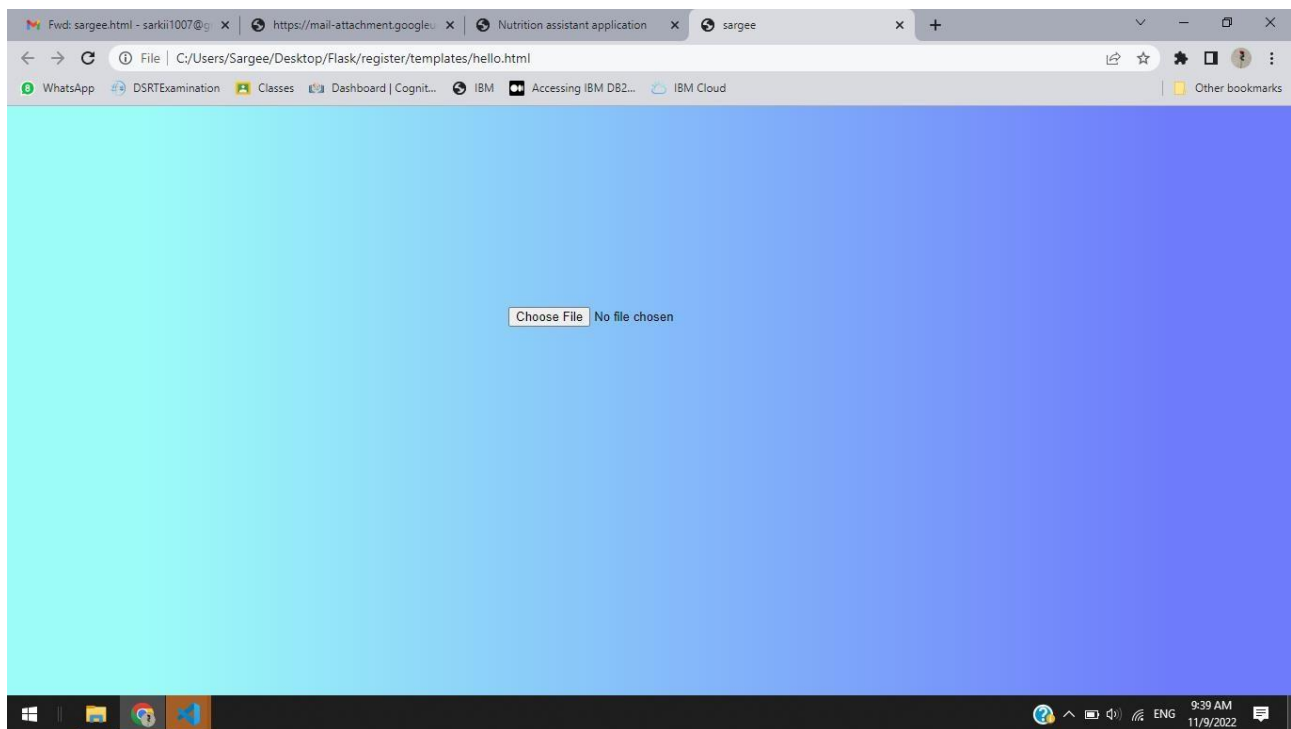

Login page :



Welcome page :



Upload Image page



Prediction results page for food items

