

NUTRITION ASSISTANT APPLICATION

Team members:

Deepak Kumar A

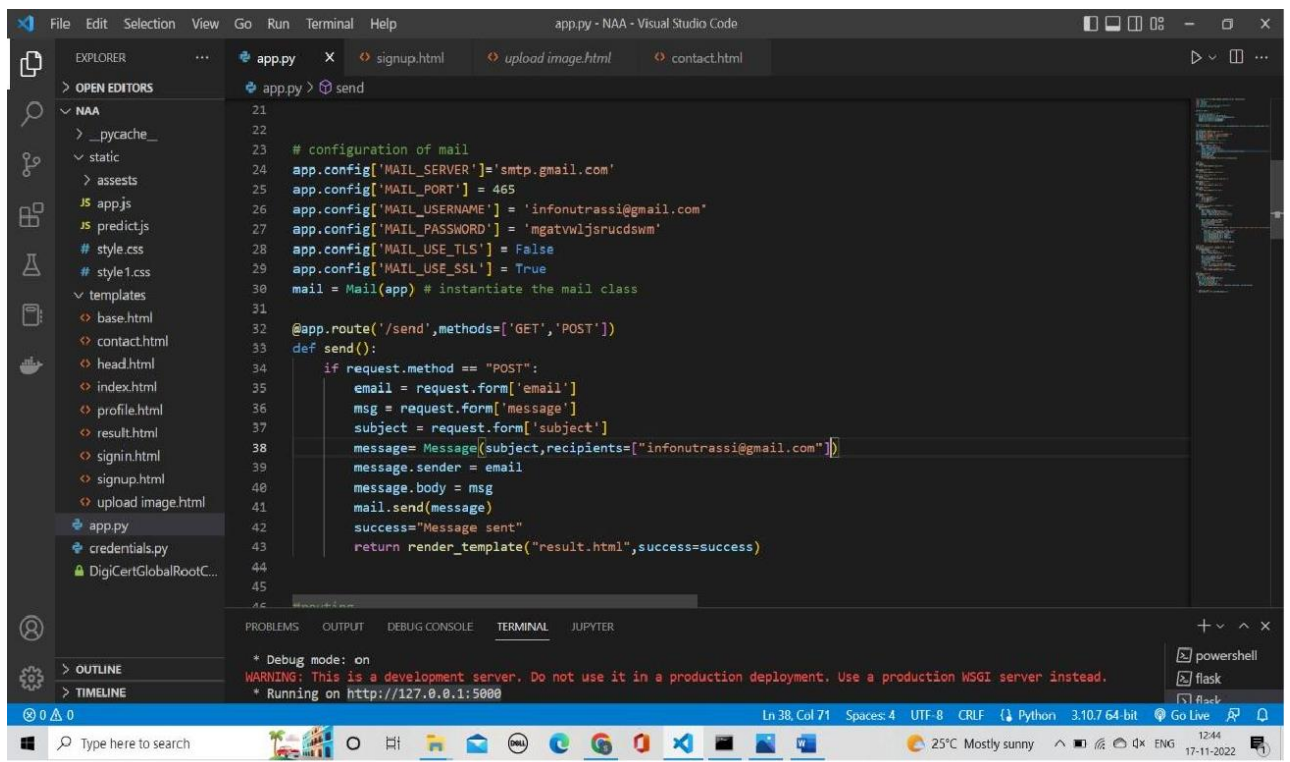
Mukilan A

Pozhil K

Hariharan P

SPRINT-3:

Integration of flask-mail in app.py:



```
File Edit Selection View Go Run Terminal Help
app.py - NAA - Visual Studio Code

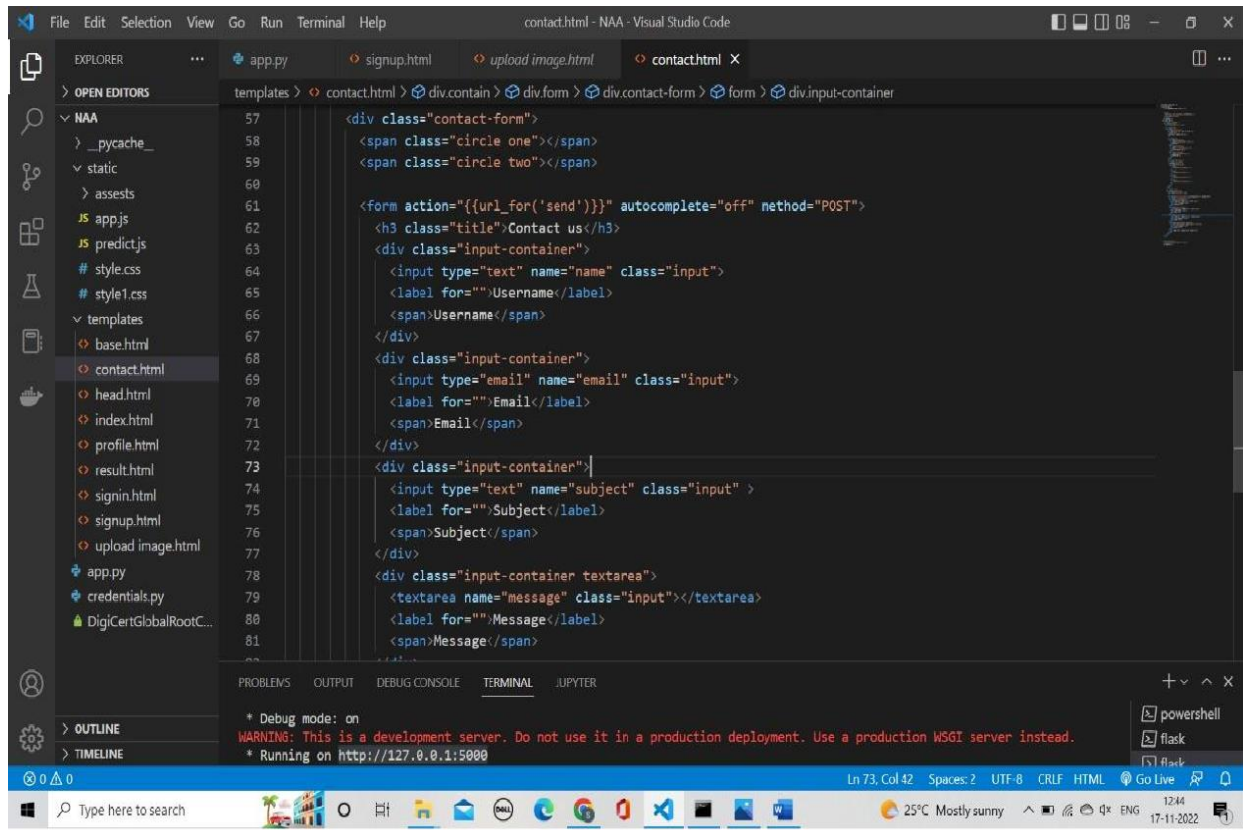
EXPLORER
> OPEN EDITORS
NAA
  > __pycache__
  > static
    > assets
      app.js
      predict.js
      style.css
      style1.css
    templates
      base.html
      contact.html
      head.html
      index.html
      profile.html
      result.html
      signi.html
      signup.html
      upload image.html
      app.py
      credentials.py
      DigiCertGlobalRootC...

app.py > send
21
22
23 # configuration of mail
24 app.config['MAIL_SERVER']='smtp.gmail.com'
25 app.config['MAIL_PORT'] = 465
26 app.config['MAIL_USERNAME'] = 'infuntrassi@gmail.com'
27 app.config['MAIL_PASSWORD'] = 'mgatvwljsrucdswm'
28 app.config['MAIL_USE_TLS'] = False
29 app.config['MAIL_USE_SSL'] = True
30 mail = Mail(app) # instantiate the mail class
31
32 @app.route('/send',methods=['GET','POST'])
33 def send():
34     if request.method == "POST":
35         email = request.form['email']
36         msg = request.form['message']
37         subject = request.form['subject']
38         message= Message(subject,recipients=["infuntrassi@gmail.com"])
39         message.sender = email
40         message.body = msg
41         mail.send(message)
42         success="Message sent"
43         return render_template("result.html",success=success)
44
45

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000

Ln 38, Col 71 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit Go Live
Type here to search 25°C Mostly sunny 12:44 17-11-2022
```

Contact.html:



The screenshot shows the Visual Studio Code editor with the contact.html file open. The file is located in the templates directory. The code defines a contact form with the following structure:

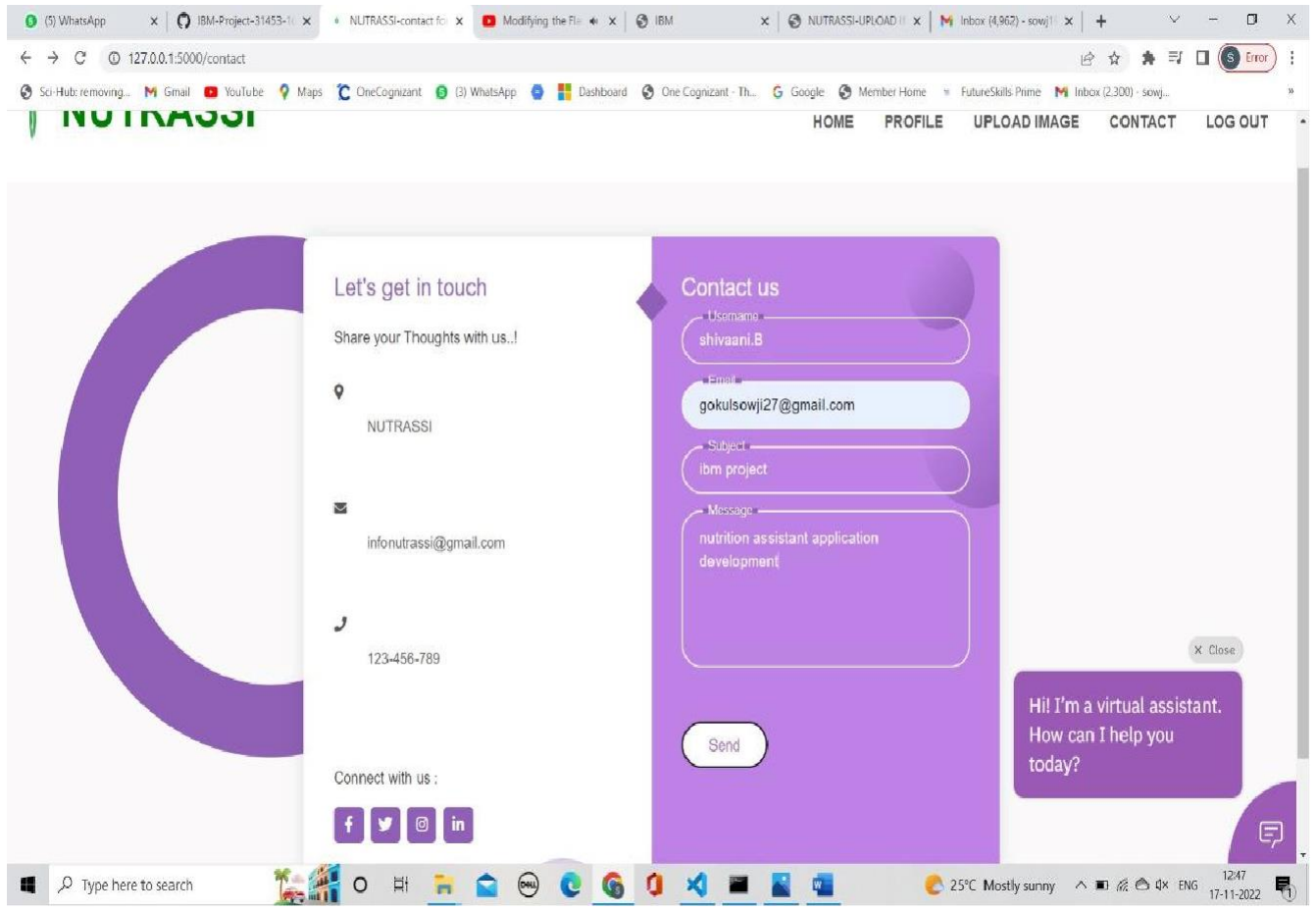
```
57 <div class="contact-form">
58   <span class="circle one"></span>
59   <span class="circle two"></span>
60
61   <form action="{url_for('send')}" autocomplete="off" method="POST">
62     <h3 class="title">Contact us</h3>
63     <div class="input-container">
64       <input type="text" name="name" class="input">
65       <label for="">Username</label>
66       <span>Username</span>
67     </div>
68     <div class="input-container">
69       <input type="email" name="email" class="input">
70       <label for="">Email</label>
71       <span>Email</span>
72     </div>
73     <div class="input-container">
74       <input type="text" name="subject" class="input">
75       <label for="">Subject</label>
76       <span>Subject</span>
77     </div>
78     <div class="input-container textarea">
79       <textarea name="message" class="input"></textarea>
80       <label for="">Message</label>
81       <span>Message</span>
82     </div>
83   </form>
84 </div>
```

The terminal output shows the following messages:

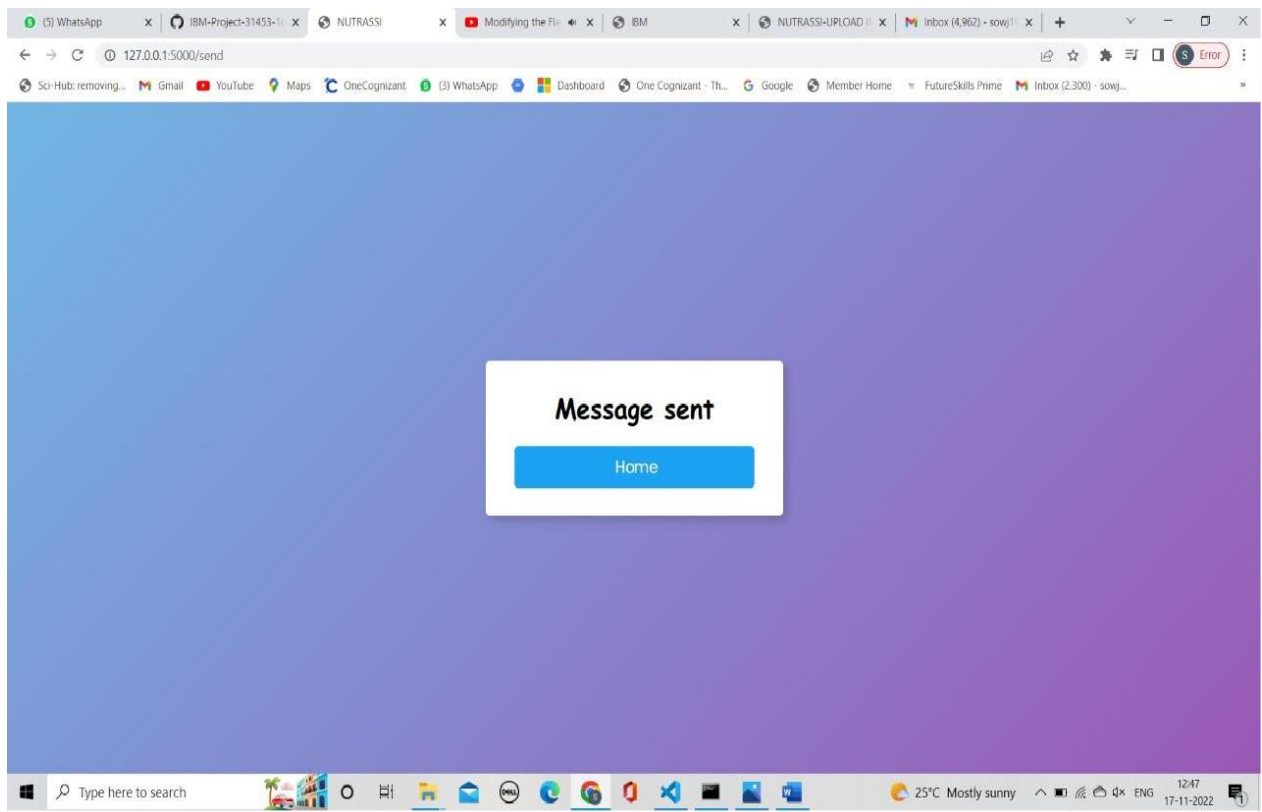
```
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
```

The status bar at the bottom indicates the file is at line 73, column 42, using UTF-8 encoding and CRLF line endings. The system tray shows the date and time as 17-11-2022, 12:44.

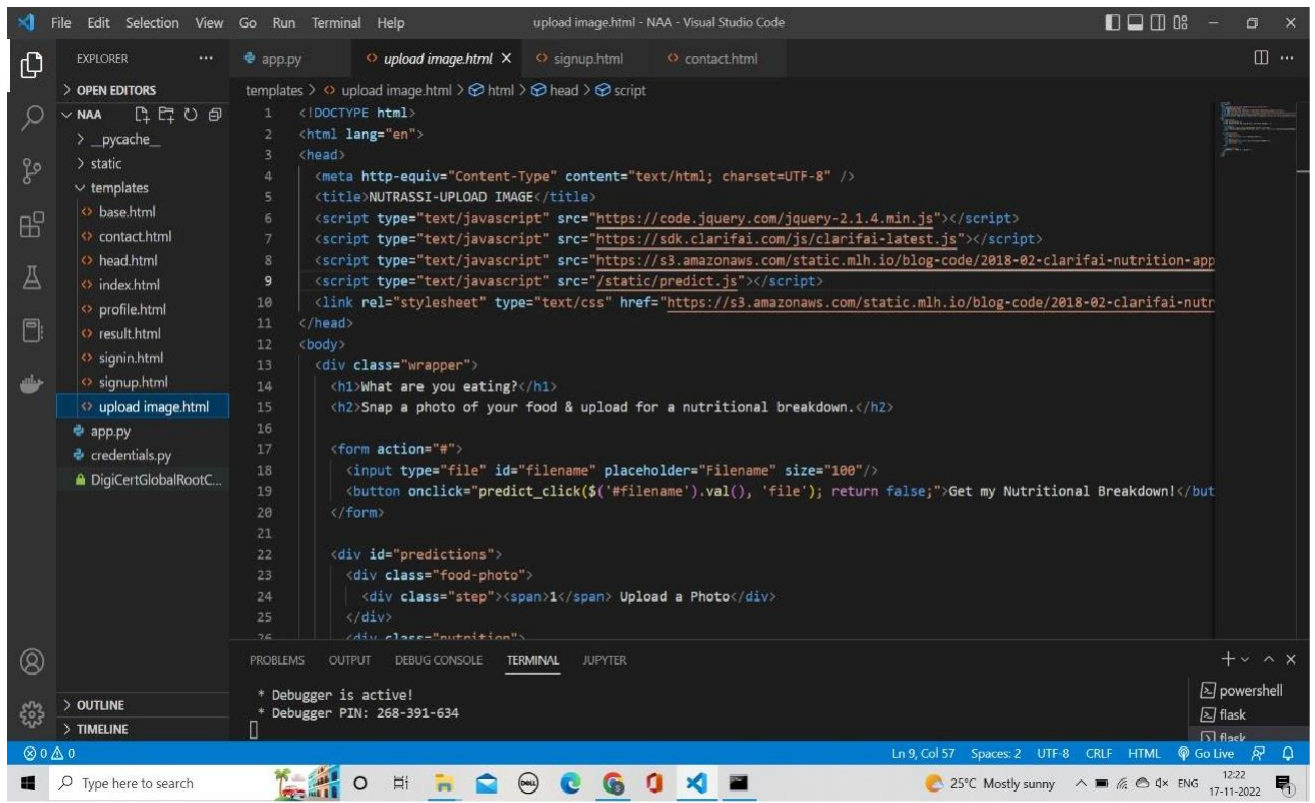
User sending message:



Confirmation of message sent:



Upload image.html:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
5   <title>NUTRASSI-UPLOAD IMAGE</title>
6   <script type="text/javascript" src="https://code.jquery.com/jquery-2.1.4.min.js"></script>
7   <script type="text/javascript" src="https://sdk.clarifai.com/js/clarifai-latest.js"></script>
8   <script type="text/javascript" src="https://s3.amazonaws.com/static.mlh.io/blog-code/2018-02-clarifai-nutrition-app
9   <script type="text/javascript" src="/static/predict.js"></script>
10  <link rel="stylesheet" type="text/css" href="https://s3.amazonaws.com/static.mlh.io/blog-code/2018-02-clarifai-nutr
11 </head>
12 <body>
13   <div class="wrapper">
14     <h1>What are you eating?</h1>
15     <h2>Snap a photo of your food & upload for a nutritional breakdown.</h2>
16
17     <form action="#">
18       <input type="file" id="filename" placeholder="Filename" size="100"/>
19       <button onclick="predict_click($('#filename').val(), 'file'); return false;">Get my Nutritional Breakdown!</but
20     </form>
21
22     <div id="predictions">
23       <div class="food-photo">
24         <div class="step"><span>1</span> Upload a Photo</div>
25       </div>
26       <div class="nutrition">
```

Result page of prediction:

