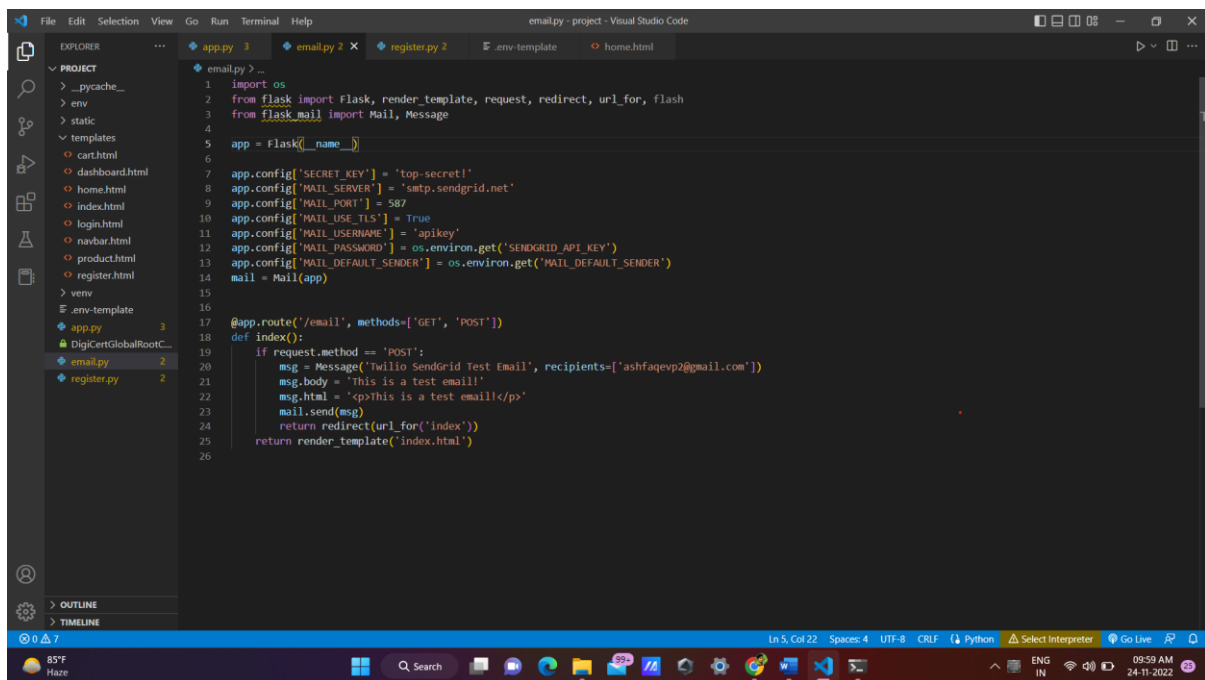


INTEGRATING WEB APPLICATION

SendGrid Integration With Python Code

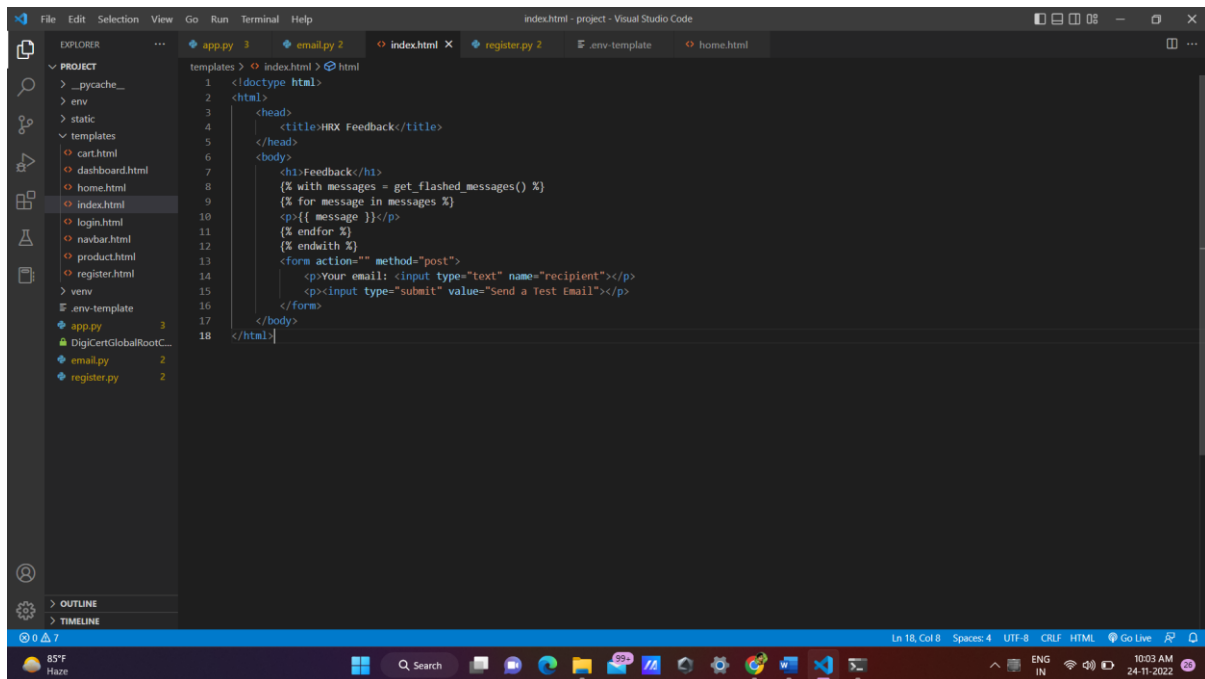
Date	24 November 2022
Team ID	PNT2022TMID43829
Project Name	Smart Fashion Recommender Application
Maximum Marks	

EMAIL.PY



```
1 import os
2 from flask import Flask, render_template, request, redirect, url_for, flash
3 from flask_mail import Mail, Message
4
5 app = Flask(__name__)
6
7 app.config['SECRET_KEY'] = 'top-secret!'
8 app.config['MAIL_SERVER'] = 'smtp.sendgrid.net'
9 app.config['MAIL_PORT'] = 587
10 app.config['MAIL_USE_TLS'] = True
11 app.config['MAIL_USERNAME'] = 'apikey'
12 app.config['MAIL_PASSWORD'] = os.environ.get('SENDGRID_API_KEY')
13 app.config['MAIL_DEFAULT_SENDER'] = os.environ.get('MAIL_DEFAULT_SENDER')
14 mail = Mail(app)
15
16
17 @app.route('/email', methods=['GET', 'POST'])
18 def index():
19     if request.method == 'POST':
20         msg = Message('Twilio SendGrid Test Email', recipients=['ashfaqvp2@gmail.com'])
21         msg.body = 'This is a test email!'
22         msg.html = '<p>this is a test email</p>'
23         mail.send(msg)
24         return redirect(url_for('index'))
25     return render_template('index.html')
26
```

FEEDBACK.HTML



The screenshot shows the Visual Studio Code editor with the 'index.html' file open. The Explorer sidebar on the left shows the project structure, including files like 'app.py', 'email.py', 'register.py', and 'index.html'. The main editor area displays the following HTML code:

```
1 <doctype html>
2 <html>
3   <head>
4     <title>HRX Feedback</title>
5   </head>
6   <body>
7     <h1>Feedback</h1>
8     {% with messages = get_flashed_messages() %}
9     {% for message in messages %}
10    <p>{{ message }}</p>
11    {% endfor %}
12    {% endwith %}
13    <form action="" method="post">
14      <p>Your email: <input type="text" name="recipient"></p>
15      <p><input type="submit" value="Send a Test Email"></p>
16    </form>
17  </body>
18 </html>
```

OUTPUT

