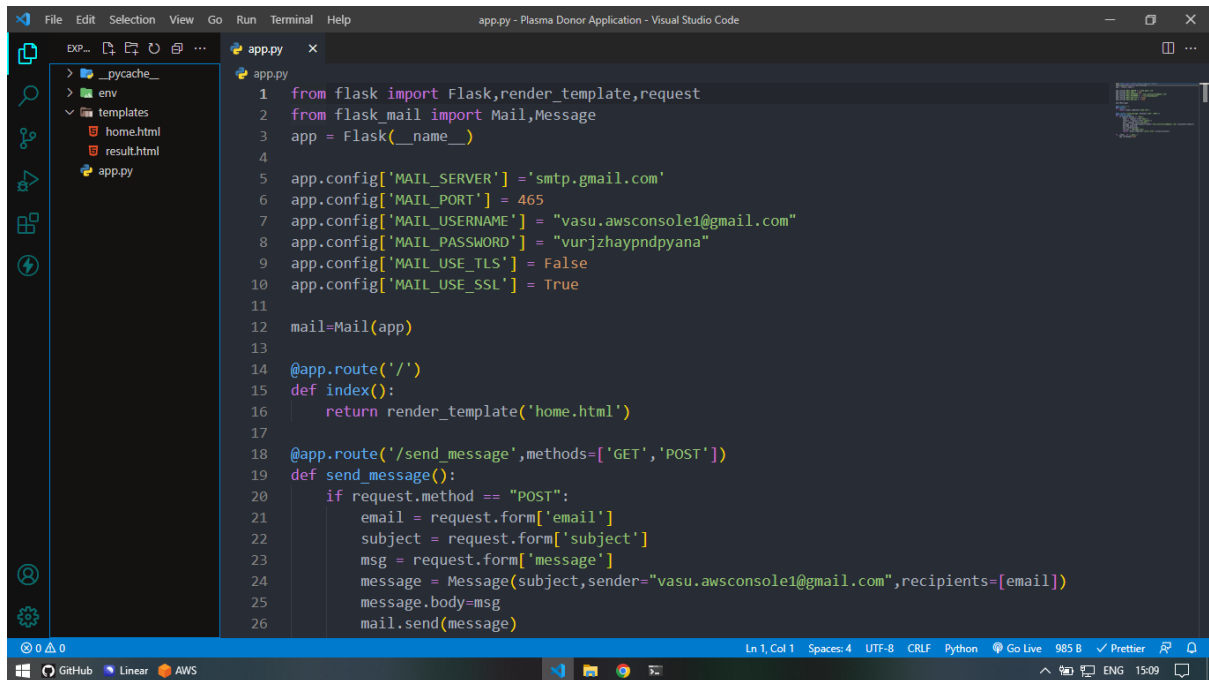


Integrating SendGrid Service

SendGrid Integration with Python Code

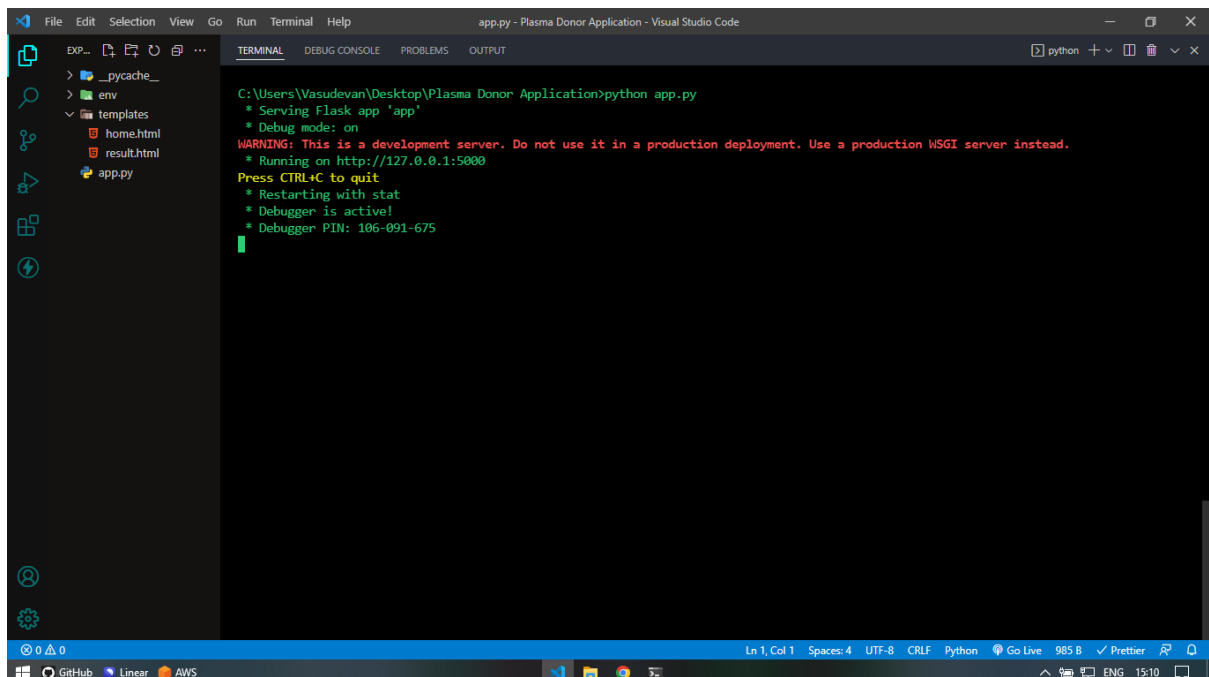
Team ID	PNT2022TMID25132
Project Name	Project - Plasma Donor Application

Integration with Python Code:



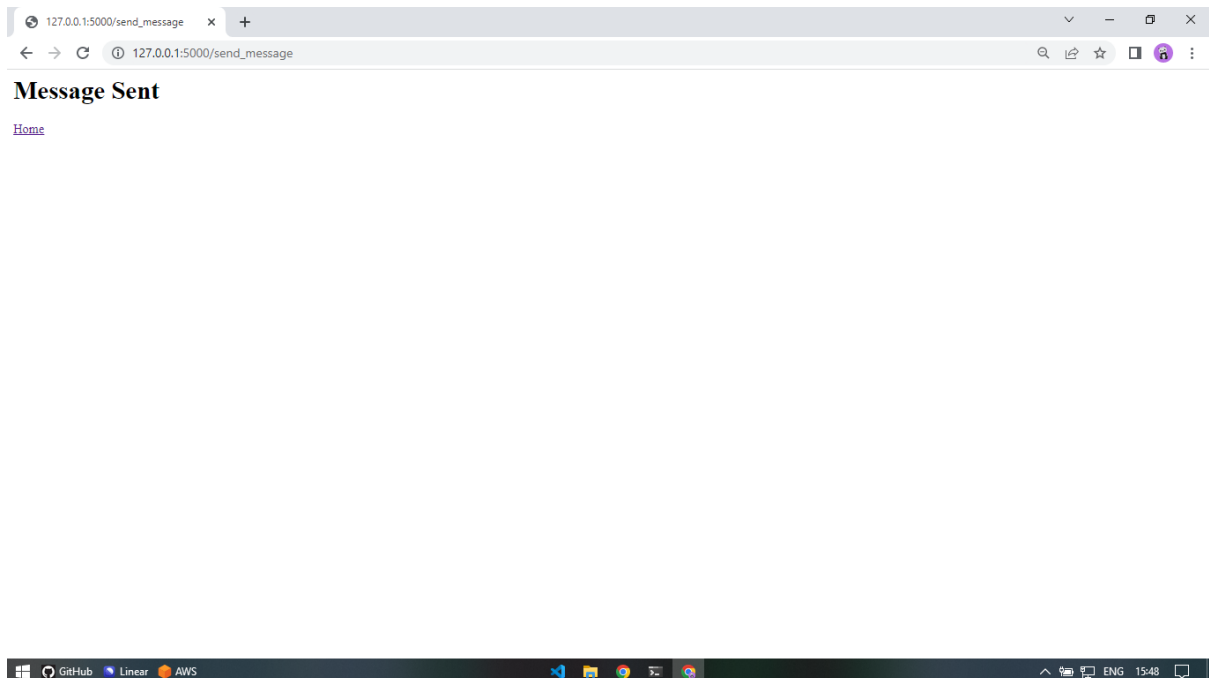
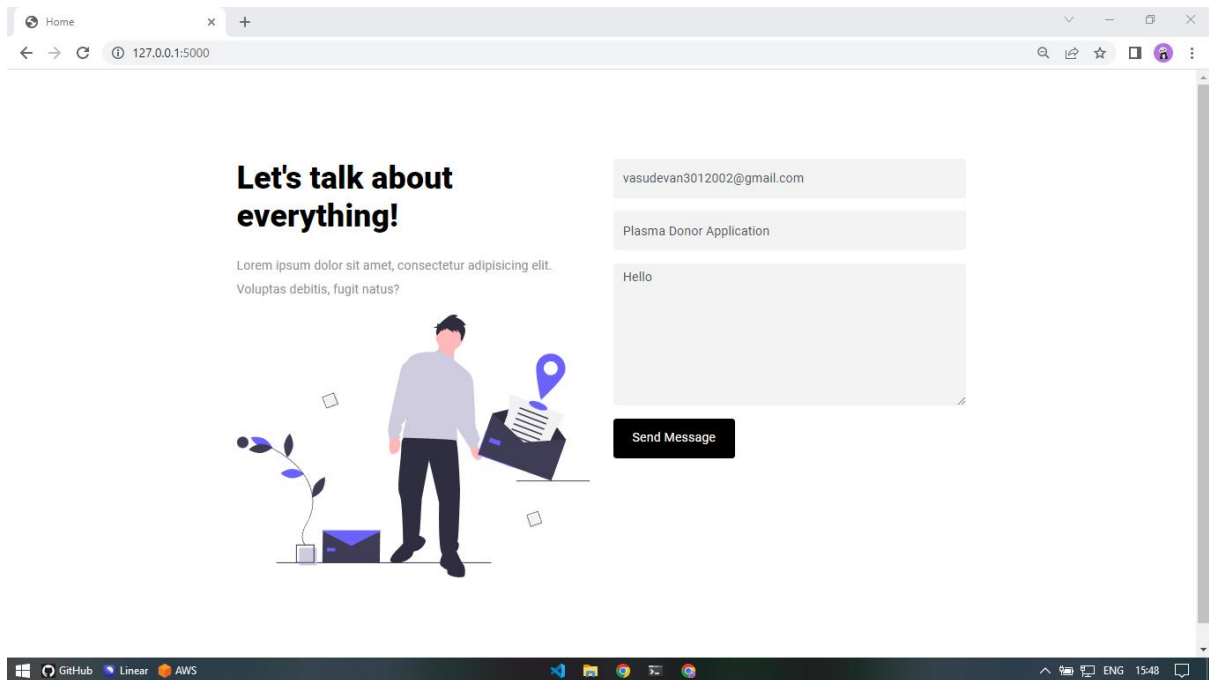
```
app.py
1 from flask import Flask,render_template,request
2 from flask_mail import Mail,Message
3 app = Flask(__name__)
4
5 app.config['MAIL_SERVER'] = 'smtp.gmail.com'
6 app.config['MAIL_PORT'] = 465
7 app.config['MAIL_USERNAME'] = "vasu.awsconsole1@gmail.com"
8 app.config['MAIL_PASSWORD'] = "vurjzhayndpyana"
9 app.config['MAIL_USE_TLS'] = False
10 app.config['MAIL_USE_SSL'] = True
11
12 mail=Mail(app)
13
14 @app.route('/')
15 def index():
16     return render_template('home.html')
17
18 @app.route('/send_message',methods=['GET','POST'])
19 def send_message():
20     if request.method == "POST":
21         email = request.form['email']
22         subject = request.form['subject']
23         msg = request.form['message']
24         message = Message(subject,sender="vasu.awsconsole1@gmail.com",recipients=[email])
25         message.body=msg
26         mail.send(message)
```

Running the Python File through the Terminal:



```
C:\Users\Vasudevan\Desktop\Plasma Donor Application>python app.py
* Serving Flask app 'app'
* 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
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 106-091-675
```

Sending the Mail:



Mail Received Through Python Script:

