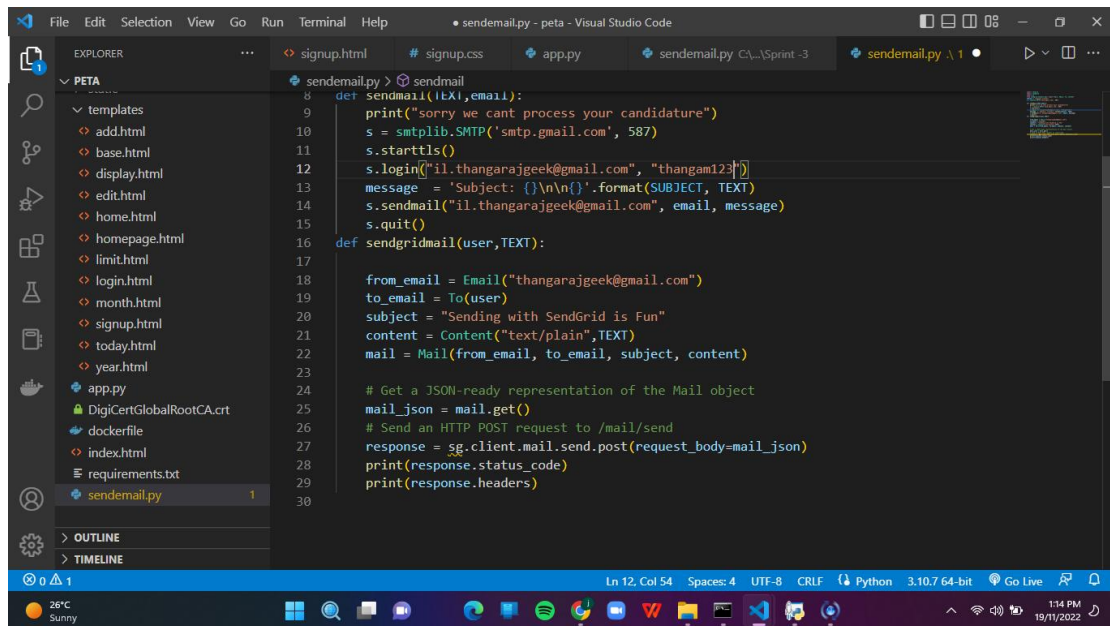


SPRINT -3

Integrating SendGrid Service-DONE

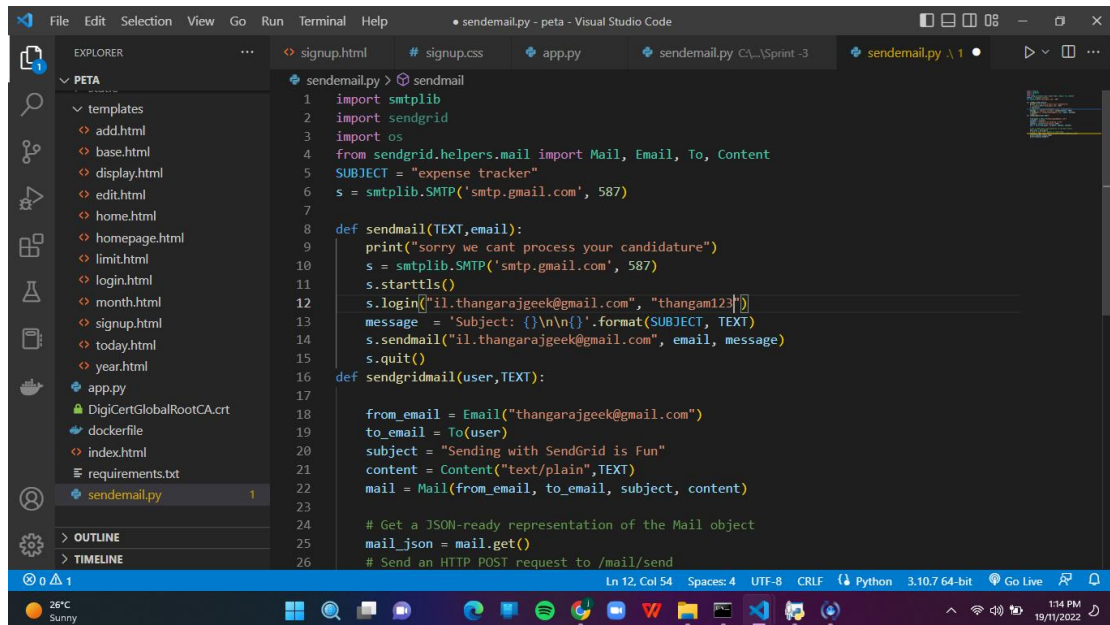


The screenshot shows a Visual Studio Code editor window with the following details:

- Explorer Panel:** Displays a file tree for a project named 'PETA'. The files include templates (add.html, base.html, display.html, edit.html, home.html, homepage.html, limit.html, login.html, month.html, signup.html, today.html, year.html), app.py, DigiCertGlobalRootCA.crt, dockerfile, index.html, requirements.txt, and sendemail.py (which is selected and has a line count of 1).
- Code Editor:** Shows the content of 'sendemail.py'. The code defines a 'sendmail' function using 'smtplib' and 'email' libraries, and a 'sendgridmail' function using the 'sendgrid' library. The 'sendmail' function logs in to Gmail and sends an email. The 'sendgridmail' function sends an email using SendGrid's API.

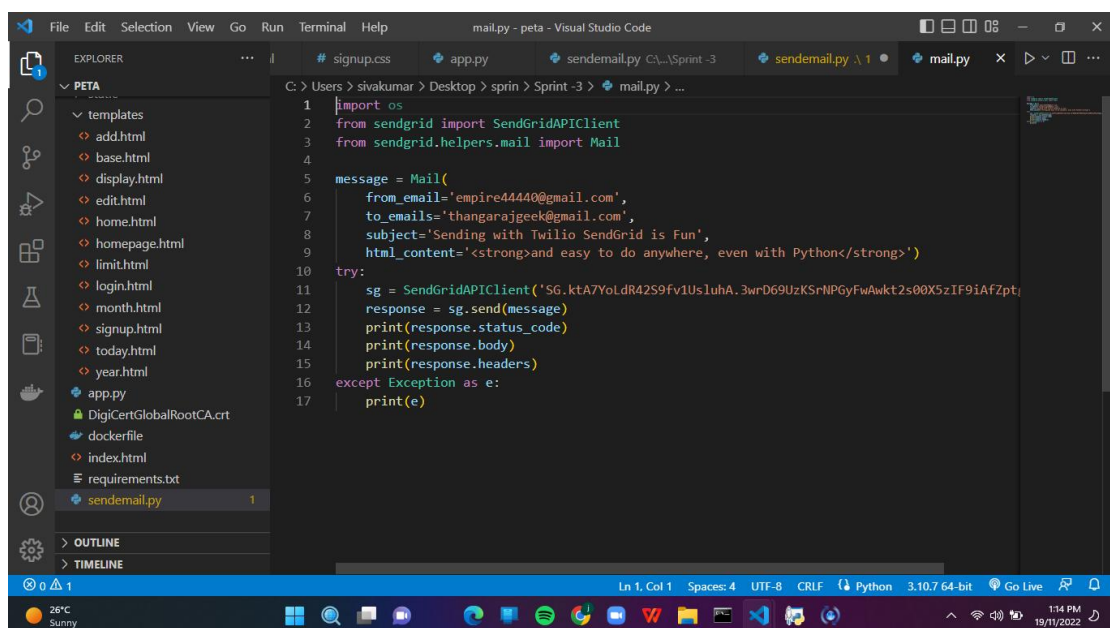
```
8 def sendmail(TEXT, email):
9     print("sorry we cant process your candidature")
10    s = smtplib.SMTP('smtp.gmail.com', 587)
11    s.starttls()
12    s.login("il.thangarajgeek@gmail.com", "thangam123")
13    message = 'Subject: {}'.format(SUBJECT, TEXT)
14    s.sendmail("il.thangarajgeek@gmail.com", email, message)
15    s.quit()
16
17 def sendgridmail(user, TEXT):
18
19     from_email = Email("thangarajgeek@gmail.com")
20     to_email = To(user)
21     subject = "Sending with SendGrid is Fun"
22     content = Content("text/plain", TEXT)
23     mail = Mail(from_email, to_email, subject, content)
24
25     # Get a JSON-ready representation of the Mail object
26     mail_json = mail.get()
27     # Send an HTTP POST request to /mail/send
28     response = sg.client.mail.send.post(request_body=mail_json)
29     print(response.status_code)
30     print(response.headers)
```
- Terminal Panel:** Currently empty.
- Status Bar:** Shows 'Ln 12, Col 54', 'Spaces: 4', 'UTF-8', 'CR/LF', 'Python 3.10.7 64-bit', and 'Go Live'.
- System Tray:** Shows the date and time as '1:14 PM 19/11/2022'.

SendGrid integration with python code-DONE



The screenshot shows the Visual Studio Code editor with the file `sendemail.py` open. The code defines a `sendmail` function that uses `smtplib` to send an email via Gmail. It also defines a `sendgridmail` function that uses the `sendgrid` library to send an email. The code is as follows:

```
1 import smtplib
2 import sendgrid
3 import os
4 from sendgrid.helpers.mail import Mail, Email, To, Content
5 SUBJECT = "expense tracker"
6 s = smtplib.SMTP('smtp.gmail.com', 587)
7
8 def sendmail(TEXT,email):
9     print("sorry we cant process your candidature")
10    s = smtplib.SMTP('smtp.gmail.com', 587)
11    s.starttls()
12    s.login("il.thangarajgeek@gmail.com", "thangam123")
13    message = 'Subject: {} \n\n {}'.format(SUBJECT, TEXT)
14    s.sendmail("il.thangarajgeek@gmail.com", email, message)
15    s.quit()
16
17 def sendgridmail(user,TEXT):
18
19     from_email = Email("thangarajgeek@gmail.com")
20     to_email = To(user)
21     subject = "Sending with SendGrid is Fun"
22     content = Content("text/plain",TEXT)
23     mail = Mail(from_email, to_email, subject, content)
24
25     # Get a JSON-ready representation of the Mail object
26     mail_json = mail.get()
27     # Send an HTTP POST request to /mail/send
```



The screenshot shows the Visual Studio Code editor with the file `mail.py` open. The code uses the `sendgrid` library to send an email via the SendGrid API. The code is as follows:

```
1 import os
2 from sendgrid import SendGridAPIClient
3 from sendgrid.helpers.mail import Mail
4
5 message = Mail(
6     from_email='empire4444@gmail.com',
7     to_emails='thangarajgeek@gmail.com',
8     subject='Sending with Twilio SendGrid is Fun',
9     html_content='<strong>and easy to do anywhere, even with Python</strong>')
10
11 try:
12     sg = SendGridAPIClient('SG.ktA7YoLdr42S9fv1UsluhA.3wrD69UzKSrNPgyFwAwkt2s00X5zIF9iAfZpt')
13     response = sg.send(message)
14     print(response.status_code)
15     print(response.body)
16     print(response.headers)
17 except Exception as e:
18     print(e)
```