Integrating SendGrid Service

SendGrid Integration With Python Code

Date	08 November, 2022
Team ID	PNT2022TMID27181
Project Name	Plasma Donor Application

Creating an API Key

Creating a Virtual Environment "EmailTest" and creating main.py file with the following code inside the virtual environment

```python
import os
import sendgrid
from sendgrid.helpers.mail import *
sg = sendgrid.SendGridAPIClient(api_key='SG.GVvojKqcSgmHgkPogS784g.6PIiQIp3awU5LclDgSGfhqNPDSQhYUwIaqjPJIccK5o')
from_email = Email("mageshwarannit@gmail.com")
to_email = To("mageshwaran8184@gmail.com")
subject = "Sending with SendGrid is Fun"
content = Content("text/plain", "and easy to do anywhere, even with Python")
mail = Mail(from_email, to_email, subject, content)
response = sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)
```

Running the python file through the terminal

```
PROBLEMS    OUTPUT    TERMINAL    JUPYTER    DEBUG CONSOLE

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\sjeev\Downloads\sendGrid> & C:/Users/sjeev/AppData/Local/Programs/Python/Python310/python.exe c:/Users/sjeev/Do
wnloads/sendGrid/main.py
202
b''
Server: nginx
Date: Tue, 15 Nov 2022 07:50:11 GMT
Content-Length: 0
Connection: close
X-Message-Id: FJQCZg96QxG7Cs48_PuDqg
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-acl
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/Classroom/Basics/API/cors.html
Strict-Transport-Security: max-age=600; includeSubDomains
```

Test mail received via SendGrid