SendGrid Integration with Python Code

Date	24 October 2022
Team ID	PNT2022TMID12716
Project Name	Inventory Management System For Retailers

Python Code:

```python
import sendgrid
import os
from sendgrid.helpers.mail import Mail, Email, To, Content

def send_mail(content):
    sg = sendgrid.SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
    from_email = Email("20z434@psgtech.ac.in")  # Change to your verified sender
    to_email = To("20z435@psgtech.ac.in")  # Change to your recipient
    subject = "Low Stock Notification!!"
    # content = 'test'
    mail = Mail(from_email, to_email, subject, content)

    # Get a JSON-ready representation of the Mail object
    mail_json = mail.get()

    # Send an HTTP POST request to /mail/send
    response = sg.client.mail.send.post(request_body=mail_json)
    print(response.status_code)
    print(response.headers)
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

D:\Inventory_Management_System_for_Retailers>python sendgrid_integration.py
202
Server: nginx
Date: Tue, 22 Nov 2022 08:10:34 GMT
Content-Length: 0
Connection: close
X-Message-Id: Q93ux7OdQtCqq8_30zmMMg
```

Mail through SendGrid:

Low Stock Notification!! Inbox ×

20z434@psgtech.ac.in via sendgrid.net
to me

Low stock product details:
Product_ID: 436
Product_Name: HIGHLIGHTER
Stock: 3
Kindly refill the stock!

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