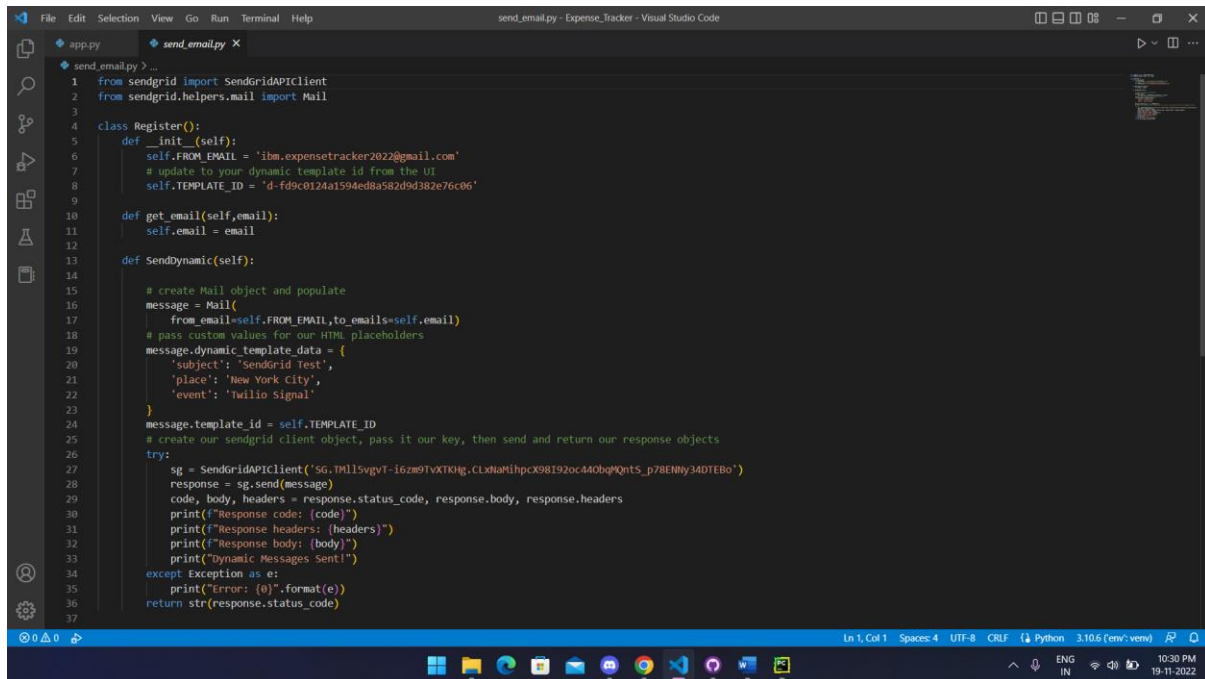


Team ID PNT2022TMID02662

Project Name Personal Expense Tracker Application

SendGrid Integration with Python Code



```
1 from sendgrid import SendGridAPIClient
2 from sendgrid.helpers.mail import Mail
3
4 class Register():
5     def __init__(self):
6         self.FROM_EMAIL = 'ibm.expensetracker2022@gmail.com'
7         # update to your dynamic template id from the UI
8         self.TEMPLATE_ID = 'd-fd9c6124a1594ed8a582d9d382e76c06'
9
10    def get_email(self,email):
11        self.email = email
12
13    def SendDynamic(self):
14
15        # create Mail object and populate
16        message = Mail(
17            from_email=self.FROM_EMAIL,to_emails=self.email)
18        # pass custom values for our HTML placeholders
19        message.dynamic_template_data = {
20            'subject': 'SendGrid Test',
21            'place': 'New York City',
22            'event': 'Twilio Signal'
23        }
24        message.template_id = self.TEMPLATE_ID
25        # create our sendgrid client object, pass it our key, then send and return our response objects
26        try:
27            sg = SendGridAPIClient('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')
28            response = sg.send(message)
29            code, body, headers = response.status_code, response.body, response.headers
30            print(f"Response code: {code}")
31            print(f"Response headers: {headers}")
32            print(f"Response body: {body}")
33            print("Dynamic Messages Sent!")
34        except Exception as e:
35            print("Error: {}".format(e))
36            return str(response.status_code)
37
```