

Integrating SendGrid service

Date	05 November 2022
Team ID	PNT2022TMID05072
Project	Personal Expense Tracker Application

AIM:

To integrate the SendGrid service in web API

Procedures:

STEP 1:

Create an API key , this allow your application to authenticate to our API and send mail.

STEP 2:

- Create an environment variable with your SendGrid API Key.
- Install the sendgrid-python and dependencies packages.

STEP 3: Run the below code to send a email

```
# using SendGrid's Python Library
# http://github.com/sendgrid/sendgrid-python

import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail

message = Mail (          from_email      =
'from_email@eample.com',    to_email      =
'to@example.com',

                        subject = 'A Test From SendGrid !', html_content = 'Hello there
from SenderGrid your URL is :'+<strong><a
href=https://github.com/cyberjive> right here !!!</a></strong>')

try:
    sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
```

```
        response = sg.send(message)
        print(response.status_code)
        print(response.body)
    print(response.headers) except
Exception as e:
    print(e.message)
```

Result:

Integration of SendGrid is completed successfully.