

Integrating SendGrid Service

SendGrid Integration With Python Code

Team Id	PNT2022TMID23050
Project Name	Smart Fashion Recommender Application
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sendmail.py

```

1  import configparser
2  import ssl
3  ssl._create_default_https_context = ssl._create_unverified_context
4  from sendgrid import SendGridAPIClient
5  from sendgrid.helpers.mail import Mail
6
7
8  config = configparser.ConfigParser()
9  config.read("config.ini")
10
11  def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
12      if API!=None and from_email!= None and len(to_emails)>0:
13          message = Mail(from_email,to_emails,subject,html_content)
14          try:
15              sg = SendGridAPIClient(API)
16              response = sg.send(message)
17              print(response.status_code)
18              print(response.body)
19              print(response.headers)
20          except Exception as e:
21              print(e.message)
22
23      try:
24          settings = config["SETTINGS"]
25      except:
26          settings = {}
27
28      API = settings.get("APIKEY",None)
29      from_email = settings.get("FROM",None)
30      to_emails = settings.get("TO","")
31
32      subject = "TEAM ID PNT2022TMID23050"
33
34      html_content = "Message successfully send through sendgrid"
35
36      sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
```

config.ini

API = OUR API

FROM = from@gmail.com

TO = to@gmail.com

```
C:\windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\GAYU>cd C:\Users\GAYU\Desktop\U Nik\PYTHON-SENDGRID

C:\Users\GAYU\Desktop\U Nik\PYTHON-SENDGRID>sendmail.py
202
b''
Server: nginx
Date: Wed, 16 Nov 2022 04:04:25 GMT
Content-Length: 0
Connection: close
X-Message-Id: gwDDvuBXQKyQm8eoZLoTig
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/cons.html
Strict-Transport-Security: max-age=600; includeSubDomains

C:\Users\GAYU\Desktop\U Nik\PYTHON-SENDGRID>
```

