

# SendGrid integration with python code

Date	14 November 2022
Team ID	PNT2022TMID46007
Project Name	Customer care Registry
Maximum Marks	

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SENDGRID INTEGRATION.py X
C:\Users> vista > OneDrive > Desktop > SENDGRID INTEGRATION.py > ...
1 import sendgrid
2 from sendgrid.helpers.mail import Mail
3 import configparser
4 config = configparser.ConfigParser()
5 import base64
6 config.read('mail.env')
7 # APIKEY = config.get('API', 'SG.~rPMFnPwTgSDcwcbZMsdoQ..j7DyCRrdImxJhXLe8j6zbyowaPT8w-11xGT00Mlujrc')
8 api = sendgrid.SendGridAPIClient('SG.Eq7mm0UjRfWt5ihDCCiNeQ.SKPLFVdb0XFSRpwKFK222-U582L3kur626yup1Zb8#H1')
9 FROM_EMAIL = 'sanjith473@gmail.com'
10 def sendemail(user,type):
11     TO_EMAIL = user
12     if type == 'Account creation':
13         mail = Mail(from_email=FROM_EMAIL,to_emails=TO_EMAIL,subject='Account Created successfully',html_content='<strong>Account created Successfully</strong>')
14     if type == 'complaint creation':
15         mail = Mail(from_email=FROM_EMAIL,to_emails=TO_EMAIL,subject='Complaint Created successfully',html_content='<strong>Complaint created Successfully</strong>')
16     response = api.send(mail)
17     print(response.status_code)
18     print(response.headers)
19
20 def forget_password_mail(user,otp):
21     TO_EMAIL = user
22     mail = Mail(from_email=FROM_EMAIL,
23                 to_emails=TO_EMAIL,
24                 subject='Your customer care Password reset request',
25                 html_content='<h2 style="text-align:center;">Your One Time Password</h2><br><h1><strong style="text-align:center;">'+str(otp)+'</strong></h1>')
26     response = api.send(mail)
27     print(response.status_code)
28     print(response.headers)
29
30 def updated_password_mail(user):
31     TO_EMAIL = user
32     mail = Mail(from_email=FROM_EMAIL,
33                 to_emails=TO_EMAIL,
34                 subject='Your Password reset successfully.',
35                 html_content='<h2 style="text-align:center;">Your Password Reset Successfully.</h2>')
36     response = api.send(mail)
37     print(response.status_code)
```

```
SENDGRID INTEGRATION.py X
C:\Users> vista > OneDrive > Desktop > SENDGRID INTEGRATION.py > ...
25         html_content='<h2 style="text-align:center;">Your One Time Password</h2><br><h1><strong style="text-align:center;">'+str(otp)+'</strong></h1>')
26     response = api.send(mail)
27     print(response.status_code)
28     print(response.headers)
29
30 def updated_password_mail(user):
31     TO_EMAIL = user
32     mail = Mail(from_email=FROM_EMAIL,
33                 to_emails=TO_EMAIL,
34                 subject='Your Password reset successfully.',
35                 html_content='<h2 style="text-align:center;">Your Password Reset Successfully.</h2>')
36     response = api.send(mail)
37     print(response.status_code)
38     print(response.headers)
39
40 def solve_mail(user,who):
41     SUB = ''
42     HC = ''
43     if who == 'user':
44         SUB='Your Problem has been solved'
45         HC='<h2 style="text-align:center;">Your Complaint is solved.you have any problems complaint us we have solved</h2>'
46     else:
47         SUB='AGENT ALLOTMENT'
48         HC='<h2 style="text-align:center;">Your Complaint is processing.Now we have agent allotted your problem solve in two days.</h2>'
49     TO_EMAIL = user
50     mail = Mail(from_email=FROM_EMAIL,to_emails=TO_EMAIL,subject=SUB,html_content=HC)
51     response = api.send(mail)
52     print(response.status_code)
53     print(response.headers)
```

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SENDGRID INTEGRATION.py - Visual Studio Code
File Edit Selection View Go Run Terminal Help

SENDGRID INTEGRATION.py X
C:\Users\viswa> OneDrive> Desktop> SENDGRID INTEGRATION.py> ...

35 |         html_content="<h2 style='text-align:center;'>Your Password Reset Successfully.</h2>")
36 |     response = api.send(mail)
37 |     print(response.status_code)
38 |     print(response.headers)
39 |
40 | def solve_mail(user,who):
41 |     SUB = ''
42 |     HC = ''
43 |     if who == 'user':
44 |         SUB="Your Problem has been solved"
45 |         HC="<h2 style='text-align:center;'>Your complaint is solved.you have any problems complaint us we have solve</h2>"
46 |     else:
47 |         SUB="AGENT ALLOTMENT"
48 |         HC="<h2 style='text-align:center;'>Your Complaint is processing.Now we have agent allotted your problem solve in two days.</h2>"
49 |     TO_EMAIL = user
50 |     mail = Mail(from_email=FROM_EMAIL,to_emails=TO_EMAIL,subject=SUB,html_content=HC)
51 |     response = api.send(mail)
52 |     print(response.status_code)
53 |     print(response.headers)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python Debug Console + - [ ] ^ x
PS C:\Users\viswa\OneDrive\Desktop> c:: cd 'c:\Users\viswa\OneDrive\Desktop'; & 'C:\Users\viswa\AppData\Local\Programs\Python\Python111\python.exe' 'c:\Users\viswa\.vscode\extensions\ms-python.python-2022.18.2\pythonfiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '61547' '--' 'c:\Users\viswa\OneDrive\Desktop\SENDGRID_INTEGRATION.py'
PS C:\Users\viswa\OneDrive\Desktop>
```