Setting Up Application EnvionmentCreate Sendgrid Account

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ProjectName	Customer Care Registry

Step 1: Open Sendgíid account and Cíeate API

Step 2: Set Environmental Veriable using "API KEY" and pip install sendgrid in cmd

```
Microsoft Windows [Version 10.0.19044.2251]
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C:\Users\PRANAV CHANTH>setx SENDGRID_API_KEY "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"

SUCCESS: Specified value was saved.

C:\Users\PRANAV CHANTH>pip install sendgrid
Defaulting to user installation because normal site-packages is not writeable
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
     ---------------------------------------- 101.1/101.1 kB 648.7 kB/s eta 0:00:00
Collecting python-http-client>=3.2.1
  Downloading python_http_client-3.3.7-py3-none-any.whl (8.4 kB)
Collecting starkbank-ecdsa>=2.0.1
  Downloading starkbank-ecdsa-2.2.0.tar.gz (14 kB)
  Preparing metadata (setup.py) ... done
Installing collected packages: starkbank-ecdsa, python-http-client, sendgrid
  DEPRECATION: starkbank-ecdsa is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is
  installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com
pa/pip/issues/8559
  Running setup.py install for starkbank-ecdsa ... done
Successfully installed python-http-client-3.3.7 sendgrid-6.9.7 starkbank-ecdsa-2.2.0

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\PRANAV CHANTH>
```

Step 3: Integrate Sendgrid using Python code and with mail ids and run in cmd


```python
import sendgrid
import os
from sendgrid.helpers.mail import *

sg = sendgrid.SendGridAPIClient(api_key=os.environ.get('SENDGRID_API_KEY'))
from_email = Email("anusreebs48@gmail.com")
to_email = To("anusreebs48@gmail.com")
subject = "Sending with SendGrid"
content = Content("text/plain", "SendGrid Integrated With Python Successfully!")
mail = Mail(from_email, to_email, subject, content)
response = sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)
```



```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: C:\Users\PRANAV CHANTH\Downloads\SendGridIntegration.py =======
202
b''
Server: nginx
Date: Tue, 15 Nov 2022 15:09:59 GMT
Content-Length: 0
Connection: close
X-Message-Id: WJDTEIXPQgKnjtknhvH2TA
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/cors.html
Strict-Transport-Security: max-age=600; includeSubDomains
>>>
```