

SendGrid Integration with Python Code

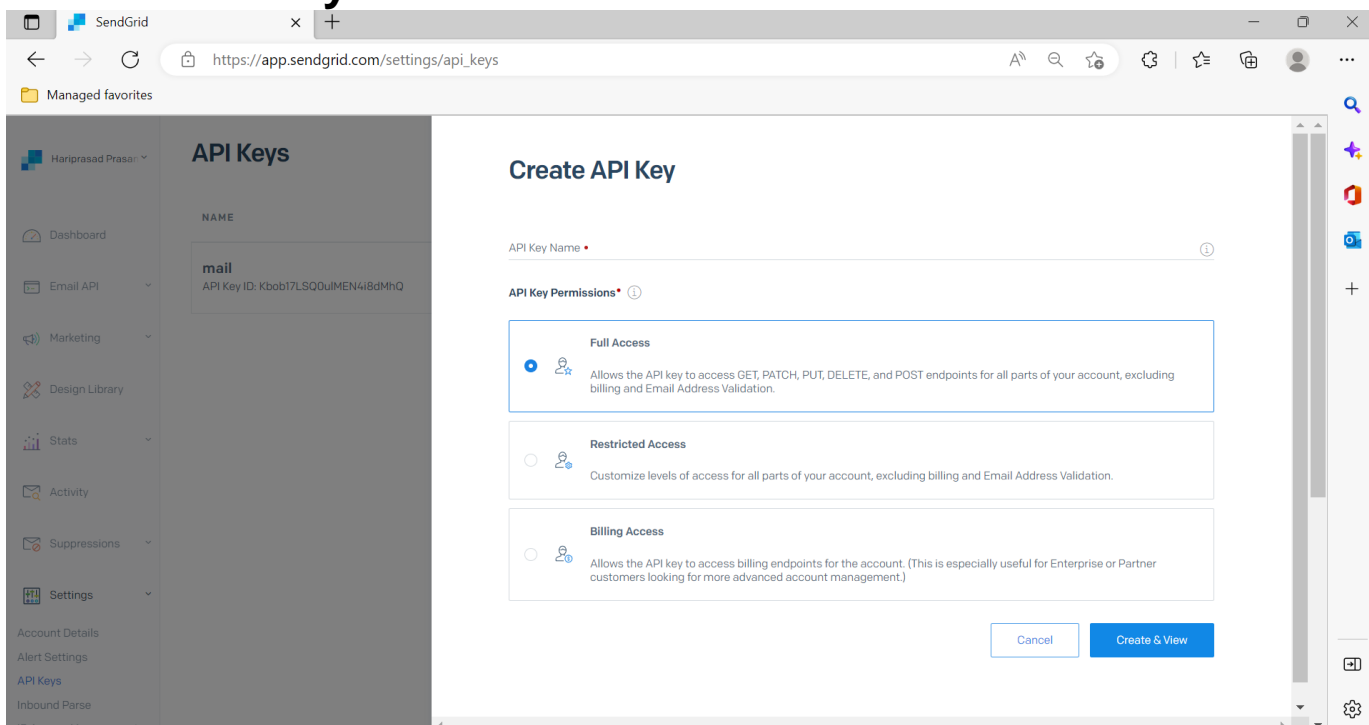
Install SendGrid:

```
Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
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C:\Users\HP>pip install sendgrid
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
    |#####| 101 kB 1.6 MB/s
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)
Using legacy 'setup.py install' for starkbank-ecdsa, since package 'wheel' is not installed.
Installing collected packages: starkbank-ecdsa, python-http-client, sendgrid
  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
WARNING: You are using pip version 21.2.4; however, version 22.3.1 is available.
You should consider upgrading via the 'C:\Users\HP\AppData\Local\Programs\Python\Python39\python.exe -m pip install --up
grade pip' command.

C:\Users\HP>
```

Create API Key:



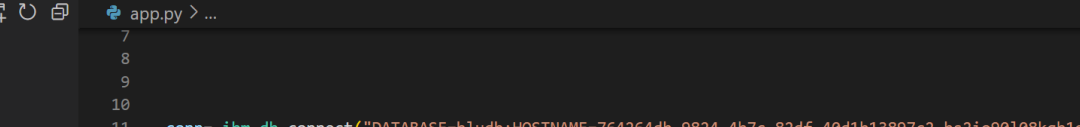
Python Code:

```
donor_list = []
for i in listt:
    donor_list.append(i["EMAIL"])

try:
    msg = Message('Urgent!! Plasma needed!!', recipients=donor_list)

    content = "This email is sent from Plasma Donor Application! \n"+"Request for plasma was made by: \n"+"Name: "+name

    msg.body = content
    msg.html = f'<p>This email is sent from Plasma Donor Application!</p> \n <p>Request for plasma was made by {name}</p>'
    mail.send(msg)
    print("mail successfully sent")
except Exception as e:
    print("error: ",e)
```



```
7
8
9
10
11 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=764264db-9824-4b7c-82df-40d1b13897c2.bs2io90108kqb1od81cg.databases
12
13 app = Flask(__name__)
14
15 app.config['SECRET_KEY'] = 'top-secret!'
16 app.config['MAIL_SERVER'] = 'smtp.sendgrid.net'
17 app.config['MAIL_PORT'] = 587
18 app.config['MAIL_USE_TLS'] = True
19 app.config['MAIL_USERNAME'] = 'apikey'
20 app.config['MAIL_PASSWORD'] = os.environ.get('SENDGRID_API_KEY')
21 app.config['MAIL_DEFAULT_SENDER'] = os.environ.get('MAIL_DEFAULT_SENDER')
22 mail = Mail(app)
23
```

```
SENDGRID_API_KEY="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"
MAIL_DEFAULT_SENDER="hariprasadpcse2019@citchennai.net"
```

Output:

