

SendGrid Integration with Python Code

Install SendGrid:

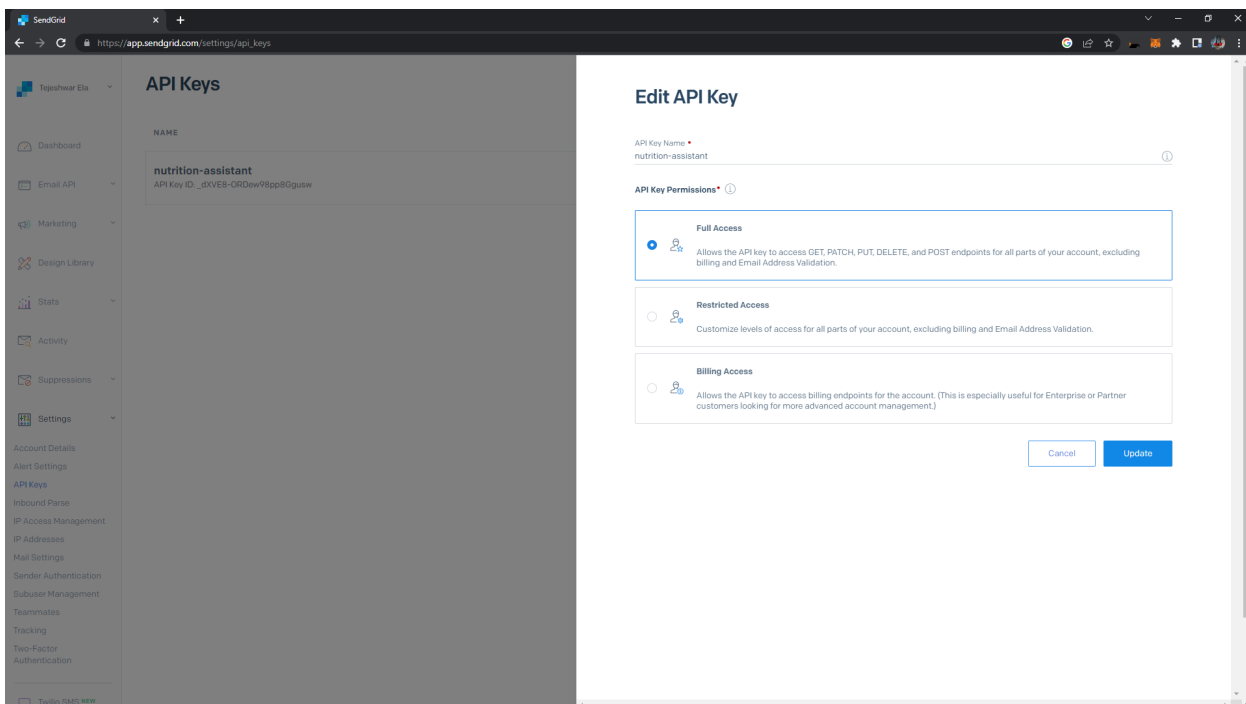
```
Command Prompt
Microsoft Windows [Version 10.0.19043.2251]
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C:\Users\chand>pip install sendgrid
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
----- 101.1/101.1 kB 1.1 MB/s eta 0:00:00
Collecting python-http-client>=3.2.1
  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
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

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: C:\Users\chand\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python.3.10_qbz5n2kfra8p0\python.exe -m pip install --upgrade pip

C:\Users\chand>
```

Create API Key:



Python Code:

```
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
from flask import Flask, render_template, request, redirect, url_for,
session, send_from_directory
SENDGRID_API_KEY =
'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'
app = Flask(name)

@app.route('/signup', methods = ['POST', 'GET'])
def signup():
    first_name = request.form['first_name']
    last_name = request.form['last_name']
    email_id = request.form['email_id']
    phone_number = request.form['phone_number']
    username = request.form['username']
    password = request.form['password']
    password = sha256_crypt.hash(password)
    message = Mail(
        from_email='elatejeshwarcse2019@citchennai.net',
        to_emails=email_id,
        subject='Hello from Nutrition Assistant Team!',
        html_content='<strong> We are delighted to have you on board and
hope to help you in your day to day fitness and food intake
goals!</strong>')
    try:
        sg = SendGridAPIClient(SENDGRID_API_KEY)
        response = sg.send(message)
        print(response.status_code)
        print(response.body)
        print(response.headers)
    except Exception as e:
        print(e.message)
    return render_template('login.html')

app.run(host='localhost', port=5000)
if name == 'main':
```

```
app.debug = True
app.run()
```

Output:

