INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

Domain: Cloud Application Development

Team ID	PNT2022TMID31378
Project Name	Inventory Management System for Retailers

SendGrid Integration with Python Code

1. Create an account

After entering the website, click on the [start for free button](#) and you will be redirected to the following page. Enter the email and password to create an account.

TWILIO
SendGrid

Let's Get Started

Sign up for free. No credit card required.

Email Address •

☑ Use email address as username

Password • 👁

Must have at least 16 characters.

[ ] I'm not a robot

reCAPTCHA
Privacy - Terms

[ ] I accept the Terms of Service and have read the Services Privacy Policy

Create Account

2. Create an API key

After we have successfully created our account, the next step is to create an API key so that we can use it in our python code to communicate with our account.

APIkeyslist

3. Emailverification

The next thing we have to do is to verify our email which we will beusingtosendemails.Wecanverifyouremailintwoways,eitherbysinglesenderverificationordomainv erification.

Coding:

```
importos

fromsendgridimportSendGridAPIClientfromsendgrid.helpe
rs.mailimportMail


message=
    Mail(from_email="verified_email@gmail.com",to_email
    s="receiver@gmail.com",subject="test",html_content="
    <p>hi</hi>"
)

try:
    sg = SendGridAPIClient("XXXX API key
    XXXXXX")response=sg.send(message)
exceptExceptionase:print(e)
```

The code example

Let us create a simple program in python to send an email. First, we have to install the SendGrid Python library. You can easily install it using pip by running the following command in your terminal.

$ pip install sendgrid

Once the package is installed, we can send emails using SendGrid. I have added a python code example below.

Conclusion

Hope this article is helpful. In addition to python, they also support other programming languages right out of the box.

Sample code:

```
import os
from sendgrid import SendGridAPIClient from sendgrid.helpe
rs.mail import Mail

message=
    Mail( from_email='from_email@example.com',to_emails='to
    @example.com',subject='SendingwithTwilioSendGridisFun',
    html_content='<strong>andeasytodoanywhere,evenwithPython</strong>')try:sg=SendGridAPIClient(os.enviro
    n.get('SENDGRID_API_KEY'))
    response=sg.send(message)print(respo
    nse.status_code)print(response.body)
    print(response.headers)
exceptExceptionase:print(e.m
    essage)
```