

Team ID	PNT2022TMID02196
Project Name	Nutrition Assistant Application

SendGrid Integration

Creating API Key

The screenshot displays the SendGrid 'API Keys' management page. On the left is a sidebar with navigation links. The main content area has a header 'API Keys' and a 'Create API Key' button. Below is a table with the following data:

NAME	API KEY	ACTION
NutritionAssistIBMTP API Key ID: VOpVAhW7SFWSGh9i3t32Xg	▼

Building a Python environment

Commands in Terminal

```
$ mkdir twilio-sendgrid-tests
$ cd twilio-sendgrid-tests
$ python3 -m venv venv
$ source venv/bin/activate (venv)
$ _
```

Setting up a Flask application

```
app.py > ...
1  import os
2  from flask import Flask, render_template, request, redirect, url_for, flash
3  from flask_mail import Mail, Message
4
5  app = Flask(__name__)
6  app.config['SECRET_KEY'] = 'top-secret!'
7  app.config['MAIL_SERVER'] = 'smtp.sendgrid.net'
8  app.config['MAIL_PORT'] = 587
9  app.config['MAIL_USE_TLS'] = True
10 app.config['MAIL_USERNAME'] = 'apikey'
11 app.config['MAIL_PASSWORD'] = os.environ.get('SENDGRID_API_KEY')
12 app.config['MAIL_DEFAULT_SENDER'] = os.environ.get('MAIL_DEFAULT_SENDER')
13 mail = Mail(app)
```

Code to send a mail

```
1  from app import mail
2  from flask_mail import Message
3
4  msg = Message('Hi, welcome to nutrition assistant app', recipients=['recipient@example.com'])
5  msg.body = 'This is a test email!'
6  msg.html = '<p>This is a test email!</p>'
7  ⚡
8  mail.send(msg)
```