

Setting Up Application Environment

Create An Account in SendGrid

Team ID	PNT2022TMID25132
Project Name	Project - Plasma Donor Application

Install Flask-Mail

```
C:\WINDOWS\system32\cmd.exe
C:\Users\Vasudevan>pip install Flask-Mail
Collecting Flask-Mail
  Downloading Flask-Mail-0.9.1.tar.gz (45 kB)
    ----- 45.7/45.7 kB 380.8 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Requirement already satisfied: Flask in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from Flask-Mail) (2.2.2)
Collecting blinker
  Downloading blinker-1.5-py2.py3-none-any.whl (12 kB)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from Flask->Flask-Mail) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from Flask->Flask-Mail) (3.1.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from Flask->Flask-Mail) (2.1.2)
Requirement already satisfied: click>=8.0 in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from Flask->Flask-Mail) (8.1.3)
Requirement already satisfied: colorama in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from click>=8.0->Flask->Flask-Mail) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\vasudevan\appdata\local\programs\python\python311\lib\site-packages (from Jinja2>=3.0->Flask->Flask-Mail) (2.1.1)
Installing collected packages: blinker, Flask-Mail
  DEPRECATION: Flask-Mail is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not 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/pypa/pip/issues/8559
  Running setup.py install for Flask-Mail ... done
Successfully installed Flask-Mail-0.9.1 blinker-1.5

C:\Users\Vasudevan>
```

Flask-Mail Script

```
*C:\Users\Vasudevan\Desktop\flaskmail.py - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Python file length: 779 lines: 31 Ln: 4 Col: 1 Pos: 84 Macintosh (CR) ANSI INS

1 # importing libraries
2 from flask import Flask
3 from Flask-Mail import Mail, Message
4
5 app = Flask(__name__)
6 mail = Mail(app) # instantiate the mail class
7
8 # configuration of mail
9 app.config['MAIL_SERVER'] = 'smtp.gmail.com'
10 app.config['MAIL_PORT'] = 465
11 app.config['MAIL_USERNAME'] = 'vasu.awsconsole1@gmail.com'
12 app.config['MAIL_PASSWORD'] = 'awsaccountnol'
13 app.config['MAIL_USE_TLS'] = False
14 app.config['MAIL_USE_SSL'] = True
15 mail = Mail(app)
16
17 # message object mapped to a particular URL '/'
18 @app.route("/")
19 def index():
20     msg = Message(
21         'Hello',
22         sender = 'vasu.awsconsole1@gmail.com',
23         recipients = ['receiver'vasu3012002@gmail.com']
24     )
25     msg.body = 'Hello Flask message sent from Flask-Mail'
26     mail.send(msg)
27     return 'Sent'
28
29 if __name__ == '__main__':
30     app.run(debug = True)
31
```