

## Project Development Phase

### Sprint 4

Date	15 November 2022
Team ID	PNT2022TMID53170
Project Name	Project - AI based discourse for Banking Industry

#### Python Code :

##### 1. Importing Libraries

The first step is usually importing the libraries that will be needed in the program.

```
from flask import Flask, render_template
```

Importing the flask module into the project is mandatory. An object of the Flask class is our WSGI application. Flask constructor takes the name of the current module (`__name__`).

##### 2. Creating our flask application and loading

```
app = Flask(__name__)
```

##### 3. Routing to the html page

Here, the declared constructor is used to route to the HTML page created earlier.

```
@app.route('/')  
def home():  
    return render_template('index.html')
```

The `'/'` route is bound with the `home` function. Hence, when the home page of a web server is opened in the browser, the HTML page will be rendered.

##### 4. Main Function

This is used to run the application in localhost.

```
if __name__ == '__main__':  
    app.run()
```

## Screenshot:

The screenshot shows the Visual Studio Code interface with a Python file named `app.py` open. The file contains the following code:

```
1 from flask import Flask, render_template
2
3 app = Flask(__name__)
4
5 @app.route('/')
6 def bot():
7     return render_template('chatbot.html')
8
9 if __name__ == '__main__':
10     app.run(debug=True)
```

The left sidebar shows the Explorer view with the file structure:

- src
- static
- templates
- app.py
- \_\_init\_\_.py
- utils
- views

The bottom panel shows the Terminal view with the following output:

```
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 989-560-236
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [22/Nov/2022 15:40:10] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [22/Nov/2022 15:40:10] "GET /static/scripts.js HTTP/1.1" 200 -
127.0.0.1 - - [22/Nov/2022 15:40:10] "GET /static/styles.css HTTP/1.1" 200 -
127.0.0.1 - - [22/Nov/2022 15:40:10] "GET /static/chatbot.py HTTP/1.1" 200 -
127.0.0.1 - - [22/Nov/2022 15:40:10] "GET /static/index HTTP/1.1" 200 -
```