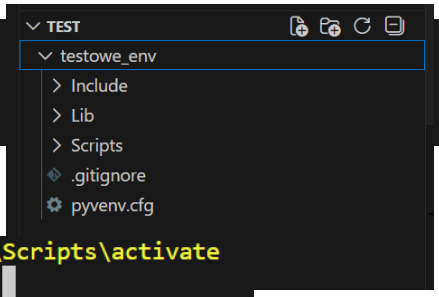
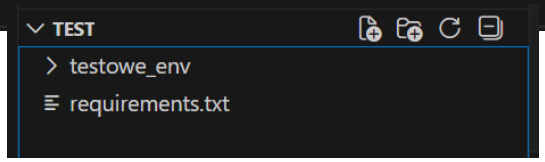
```
PS C:\Users\aplac\Desktop\test> pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\aplac\appdata\local\programs\python\python313\lib\site-packages (20.
35.4)
Requirement already satisfied: distlib<1,>=0.3.7 in c:\users\aplac\appdata\local\programs\python\python313\lib\site-packag
es (from virtualenv) (0.4.0)
Requirement already satisfied: filelock<4,>=3.12.2 in c:\users\aplac\appdata\local\programs\python\python313\lib\site-pack
ages (from virtualenv) (3.20.1)
Requirement already satisfied: platformdirs<5,>=3.9.1 in c:\users\aplac\appdata\roaming\python\python313\site-packages (fr
om virtualenv) (4.5.1)
PS C:\Users\aplac\Desktop\test>
```

```
om virtualenv) (4.5.1)
PS C:\Users\aplac\Desktop\test> python -m venv testowe_env
PS C:\Users\aplac\Desktop\test>
```




```
PS C:\Users\aplac\Desktop\test> .\testowe_env\Scripts\activate
(testowe_env) PS C:\Users\aplac\Desktop\test>
```

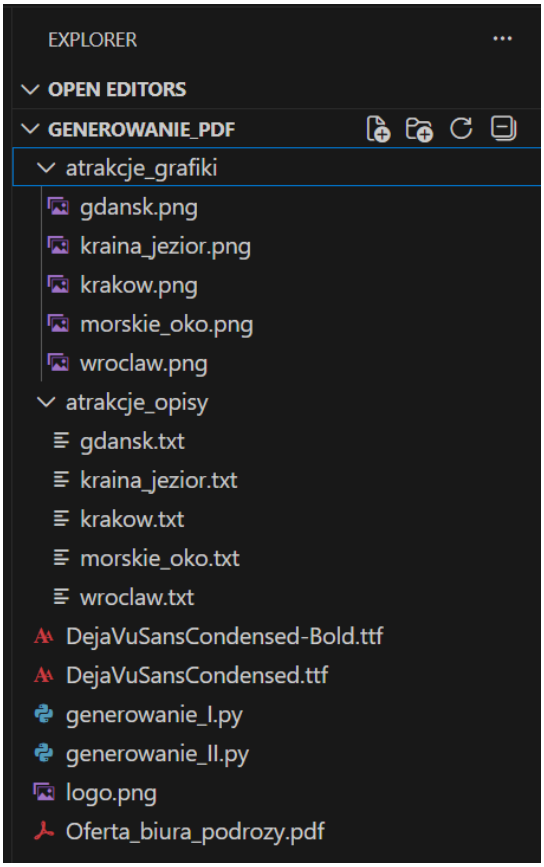
```
(testowe_env) PS C:\Users\aplac\Desktop\test> pip install fpdf2
Collecting fpdf2
  Using cached fpdf2-2.8.5-py3-none-any.whl.metadata (76 kB)
Collecting defusedxml (from fpdf2)
  Using cached defusedxml-0.7.1-py2.py3-none-any.whl.metadata (32 kB)
Collecting Pillow!=9.2.*,>=8.3.2 (from fpdf2)
  Using cached pillow-12.1.0-cp313-cp313-win_amd64.whl.metadata (9.0 kB)
Collecting fonttools>=4.34.0 (from fpdf2)
  Using cached fonttools-4.61.1-cp313-cp313-win_amd64.whl.metadata (116 kB)
Using cached fpdf2-2.8.5-py3-none-any.whl (301 kB)
Using cached fonttools-4.61.1-cp313-cp313-win_amd64.whl (2.3 MB)
Using cached pillow-12.1.0-cp313-cp313-win_amd64.whl (7.0 MB)
Using cached defusedxml-0.7.1-py2.py3-none-any.whl (25 kB)
Installing collected packages: Pillow, fonttools, defusedxml, fpdf2
Successfully installed Pillow-12.1.0 defusedxml-0.7.1 fonttools-4.61.1 fpdf2-2.8.5

[notice] A new release of pip is available: 25.0.1 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip
(testowe_env) PS C:\Users\aplac\Desktop\test> pip freeze
defusedxml==0.7.1
fonttools==4.61.1
fpdf2==2.8.5
pillow==12.1.0
(testowe_env) PS C:\Users\aplac\Desktop\test> pip freeze > requirements.txt
(testowe_env) PS C:\Users\aplac\Desktop\test>
```



- Utworzenie w AI 5 opisów atrakcji turystycznych + 5 promtów do wygenerowania obrazów dla tych atrakcji

https://www.craiyon.com/en

- Logo: https://drive.google.com/file/d/1kd0TtS4cy8nC-q6-uTsF55dwDCqtKGE8/view?usp=sharing



- Czcionki:
  - https://www.fontsquirrel.com/fonts/dejavu-sans
- Dokumentacja fpdf:
  - https://py-pdf.github.io/fpdf2/index.html