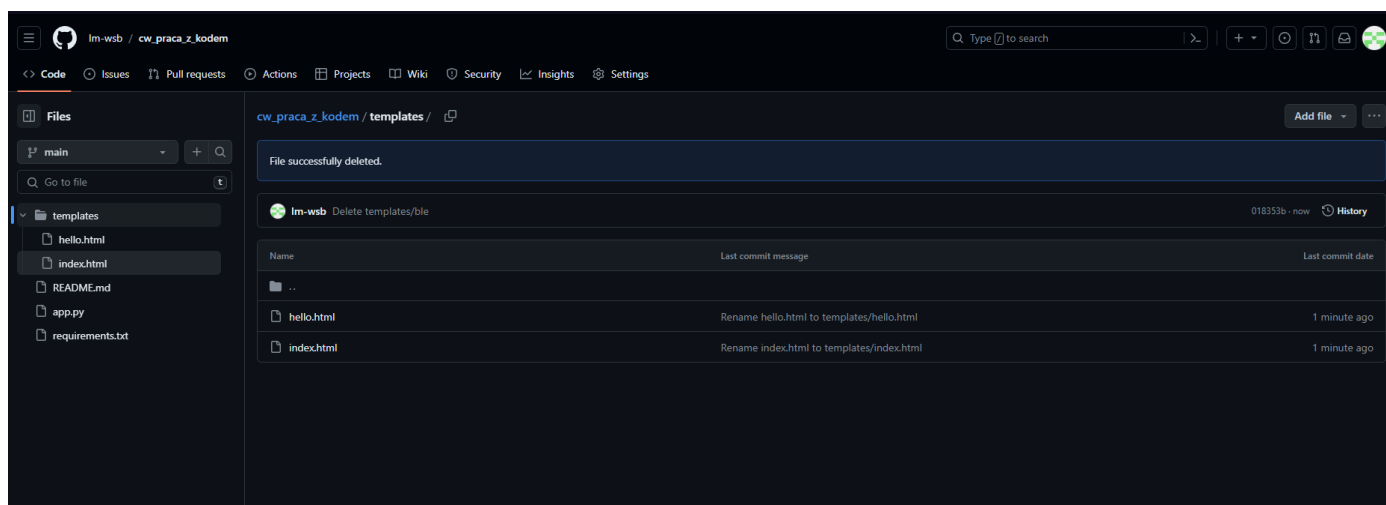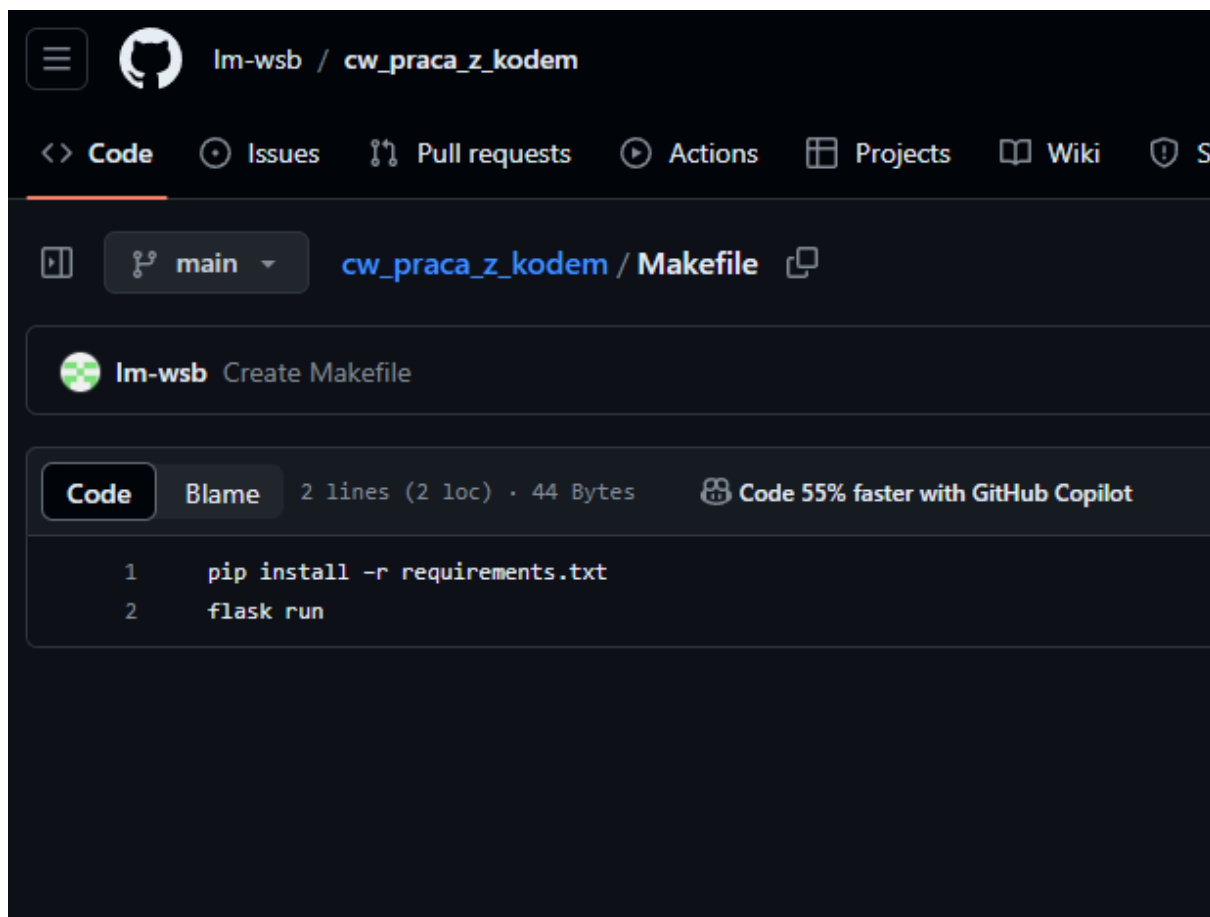Struktura projektu prezentuje się w taki sposób.

W pliku Makefile dodajemy dwie komendy

Biblioteki zadziałały bezproblemowo.

```
mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$ pip install -r requirements.txt
Collecting Flask==2.3.2 (from -r requirements.txt (line 1))
  Obtaining dependency information for Flask==2.3.2 from https://files.pythonhosted.org/packages
/fa/1a/f191d32818e5cd985bdd3f47a6e4f525e2db1ce5e8150045ca0c31813686/Flask-2.3.2-py3-none-any.whl
.metadata
  Downloading Flask-2.3.2-py3-none-any.whl.metadata (3.7 kB)
Collecting Werkzeug>=2.3.3 (from Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for Werkzeug>=2.3.3 from https://files.pythonhosted.org/packa
ges/c3/fc/254c3e9b5feb89ff5b9076a23218dafbc99c96ac5941e900b71206e6313b/werkzeug-3.0.1-py3-none-a
ny.whl.metadata
  Downloading werkzeug-3.0.1-py3-none-any.whl.metadata (4.1 kB)
Collecting Jinja2>=3.1.2 (from Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for Jinja2>=3.1.2 from https://files.pythonhosted.org/package
s/30/6d/6de6be2d02603ab56e72997708809e8a5b0fbfee080735109b40a3564843/Jinja2-3.1.3-py3-none-any.w
hl.metadata
  Downloading Jinja2-3.1.3-py3-none-any.whl.metadata (3.3 kB)
Collecting itsdangerous>=2.1.2 (from Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for itsdangerous>=2.1.2 from https://files.pythonhosted.org/p
ackages/68/5f/447e04e828f47465eeab35b5d408b7ebaaaee207f48b7136c5a7267a30ae/itsdangerous-2.1.2-py
3-none-any.whl.metadata
  Downloading itsdangerous-2.1.2-py3-none-any.whl.metadata (2.9 kB)
Collecting click>=8.1.3 (from Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for click>=8.1.3 from https://files.pythonhosted.org/packages
/00/2e/d53fa4befbf2cfa713304affc7ca780ce4fc1fd8710527771b58311a3229/click-8.1.7-py3-none-any.whl
.metadata
  Downloading click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker>=1.6.2 (from Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for blinker>=1.6.2 from https://files.pythonhosted.org/packag
es/fa/2a/7f3714cbc6356a0efec525ce7a0613d581072ed6eb53eb7b9754f33db807/blinker-1.7.0-py3-none-any
.whl.metadata
  Downloading blinker-1.7.0-py3-none-any.whl.metadata (1.9 kB)
Collecting colorama (from click>=8.1.3->Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for colorama from https://files.pythonhosted.org/packages/d1/
d6/3965ed04c63042e047cb6a3e6ed1a63a35087b6a609aa3a15ed8ac56c221/colorama-0.4.6-py2.py3-none-any.
whl.metadata
  Downloading colorama-0.4.6-py2.py3-none-any.whl.metadata (17 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->Flask==2.3.2->-r requirements.txt (line 1))
  Obtaining dependency information for MarkupSafe>=2.0 from https://files.pythonhosted.org/packa
ges/3f/14/c3554d512d5f9100a95e737502f4a2323a1959f6d0d01e0d0997b35f7b10/MarkupSafe-2.1.5-cp312-cp
312-win_amd64.whl.metadata
  Downloading MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl.metadata (3.1 kB)
Downloading Flask-2.3.2-py3-none-any.whl (96 kB)
   ------------------------------------ 96.9/96.9 kB 1.8 MB/s eta 0:00:00
Downloading blinker-1.7.0-py3-none-any.whl (13 kB)
Downloading click-8.1.7-py3-none-any.whl (97 kB)
   ------------------------------------ 97.9/97.9 kB 5.8 MB/s eta 0:00:00
Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Downloading Jinja2-3.1.3-py3-none-any.whl (133 kB)
   ------------------------------------ 133.2/133.2 kB 8.2 MB/s eta 0:00:00
Downloading werkzeug-3.0.1-py3-none-any.whl (226 kB)
   ------------------------------------ 226.7/226.7 kB 14.4 MB/s eta 0:00:00
Downloading MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl (17 kB)
Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, blinker, Werkzeug, Jinja2, cl
ick, Flask
Successfully installed Flask-2.3.2 Jinja2-3.1.3 MarkupSafe-2.1.5 Werkzeug-3.0.1 blinker-1.7.0 cl
ick-8.1.7 colorama-0.4.6 itsdangerous-2.1.2

[notice] A new release of pip is available: 23.2.1 -> 24.0
[notice] To update, run: python.exe -m pip install --upgrade pip

mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$ |
```

```
mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$ flask run
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

W zadaniu 5 miałem problemy, ponieważ komendy mi nie działały w momencie kiedy włączałem aplikacje a kiedy ją wyłączałem to już działały ale nie miały skąd pobierać danych.

```
mazep@DESKTOP-G1UBP60 MINGW64 ~/cw_praca_z_kodem (main)
$ flask run
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [24/Mar/2024 21:48:21] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [24/Mar/2024 21:48:21] "GET /favicon.ico HTTP/1.1" 404 -
curl http://127.0.0.1:5000/
127.0.0.1 - - [24/Mar/2024 21:49:21] "GET /hello HTTP/1.1" 308 -
127.0.0.1 - - [24/Mar/2024 21:49:21] "GET /hello/ HTTP/1.1" 200 -
curl http://127.0.0.1:5000/hello
127.0.0.1 - - [24/Mar/2024 21:50:07] "GET /hello/lukasz HTTP/1.1" 200 -
127.0.0.1 - - [24/Mar/2024 21:50:17] "GET /hello/lukasz HTTP/1.1" 200 -
127.0.0.1 - - [24/Mar/2024 21:50:23] "GET /hello/lukasz HTTP/1.1" 200 -
127.0.0.1 - - [24/Mar/2024 21:50:27] "GET /hello/lukasz HTTP/1.1" 200 -
curl http://127.0.0.1:5000/hello/lukasz


mazep@DESKTOP-G1UBP60 MINGW64 ~/cw_praca_z_kodem (main)
$ curl http://127.0.0.1:5000/
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0    0     0    0     0      0      0 --:--:--  0:00:02 --:--:--     0
curl: (7) Failed to connect to 127.0.0.1 port 5000 after 2036 ms: Couldn't connect to server

mazep@DESKTOP-G1UBP60 MINGW64 ~/cw_praca_z_kodem (main)
$ curl http://127.0.0.1:5000/hello
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0    0     0    0     0      0      0 --:--:--  0:00:02 --:--:--     0
curl: (7) Failed to connect to 127.0.0.1 port 5000 after 2033 ms: Couldn't connect to server
```

Niestety nadal nic się tu nie dzieje z tego samego powodu co w zadaniu wyżej

lm-wsb Update app.py

Code   Blame   14 lines (10 loc) · 295 Bytes   Code 55% faster with GitHub Copilot

```python
from flask import Flask, render_template
from markupsafe import escape
app = Flask(__name__)


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


@app.route('/hello/')
@app.route('/hello/<name>')
def hello(name=None):
    return render_template('hello.html', name="lukasz")
```

```
mazep@DESKTOP-G1UBP60 MINGW64 ~/cw_praca_z_kodem (main)
$ curl http://127.0.0.1:5000/hello
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0    0     0    0     0      0      0 --:--:--  0:00:02 --:--:--     0
curl: (7) Failed to connect to 127.0.0.1 port 5000 after 2022 ms: Couldn't connect to server

mazep@DESKTOP-G1UBP60 MINGW64 ~/cw_praca_z_kodem (main)
$ flask run
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
curl http://127.0.0.1:5000/hello
```
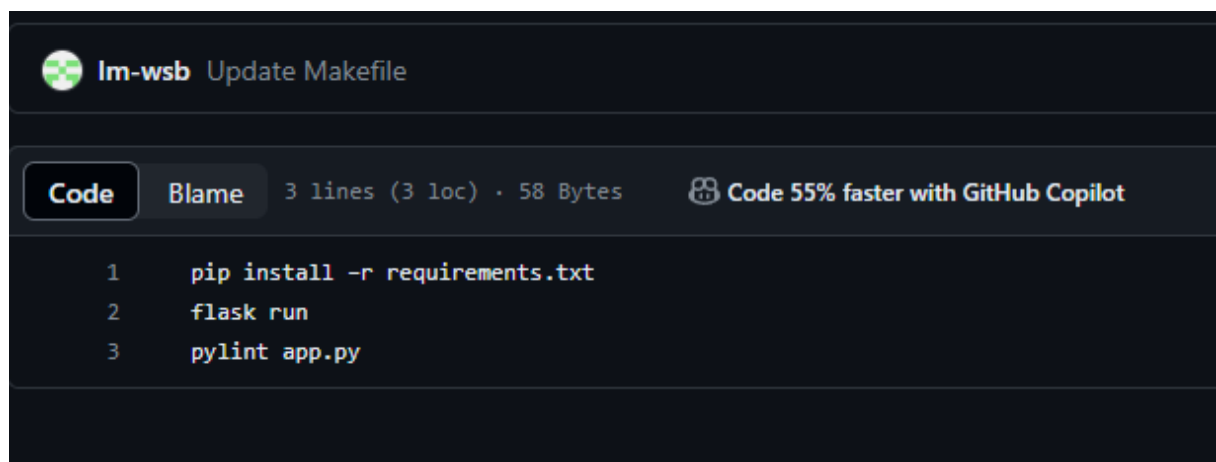
Narzędzie pip pylint zainstalowano poprawnie

```
mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$ pip install pylint
Collecting pylint
  Obtaining dependency information for pylint from https://files.pythonhosted.org/packages/4d/2b/dfcf298607c73c3af47d5a699c3bd84ba580f1b8642a53ba2a53eead7c49/pylint-3.1.0-py3-none-any.whl.metadata
  Downloading pylint-3.1.0-py3-none-any.whl.metadata (12 kB)
Collecting platformdirs>=2.2.0 (from pylint)
  Obtaining dependency information for platformdirs>=2.2.0 from https://files.pythonhosted.org/packages/55/72/4898c44ee9ea6f43396fbc23d9bfaf3d06e01b83698bdf2e4c919deceb7c/platformdirs-4.2.0-py3-none-any.whl.metadata
  Downloading platformdirs-4.2.0-py3-none-any.whl.metadata (11 kB)
Collecting astroid<=3.2.0-dev0,>=3.1.0 (from pylint)
  Obtaining dependency information for astroid<=3.2.0-dev0,>=3.1.0 from https://files.pythonhosted.org/packages/ed/1c/ee18acf9070f77253954b7d71b4c0cf8f5969fb23067d8f1a8793573ba00/astroid-3.1.0-py3-none-any.whl.metadata
  Downloading astroid-3.1.0-py3-none-any.whl.metadata (4.5 kB)
Collecting isort!=5.13.0,<6,>=4.2.5 (from pylint)
  Obtaining dependency information for isort!=5.13.0,<6,>=4.2.5 from https://files.pythonhosted.org/packages/d1/b3/8def84f539e7d2289a02f0524b944b15d7c75dab7628bedf1c4f0992029c/isort-5.13.2-py3-none-any.whl.metadata
  Downloading isort-5.13.2-py3-none-any.whl.metadata (12 kB)
Collecting mccabe<0.8,>=0.6 (from pylint)
  Obtaining dependency information for mccabe<0.8,>=0.6 from https://files.pythonhosted.org/packages/27/1a/1f68f9ba0c207934b35b86a8ca3aad8395a3d6dd7921c0686e23853ff5a9/mccabe-0.7.0-py2.py3-none-any.whl.metadata
  Downloading mccabe-0.7.0-py2.py3-none-any.whl.metadata (5.0 kB)
Collecting tomlkit>=0.10.1 (from pylint)
  Obtaining dependency information for tomlkit>=0.10.1 from https://files.pythonhosted.org/packages/07/fa/c96545d741f2fd47f565e4e06bfef0962add790cb9c2289d900102b55eca/tomlkit-0.12.4-py3-none-any.whl.metadata
  Downloading tomlkit-0.12.4-py3-none-any.whl.metadata (2.7 kB)
Collecting dill>=0.3.6 (from pylint)
  Obtaining dependency information for dill>=0.3.6 from https://files.pythonhosted.org/packages/c9/7a/cef76fd8438a42f96db64ddaa85280485a9c395e7df3db8158cfec1eee34/dill-0.3.8-py3-none-any.whl.metadata
  Downloading dill-0.3.8-py3-none-any.whl.metadata (10 kB)
Requirement already satisfied: colorama>=0.4.5 in c:\users\mazep\appdata\local\programs\python\python312\lib\site-packages (from pylint) (0.4.6)
Downloading pylint-3.1.0-py3-none-any.whl (515 kB)
   ---------------------------------------- 515.6/515.6 kB 6.5 MB/s eta 0:00:00
Downloading astroid-3.1.0-py3-none-any.whl (275 kB)
   ---------------------------------------- 275.6/275.6 kB 17.7 MB/s eta 0:00:00
Downloading dill-0.3.8-py3-none-any.whl (116 kB)
   ---------------------------------------- 116.3/116.3 kB ? eta 0:00:00
Downloading isort-5.13.2-py3-none-any.whl (92 kB)
   ---------------------------------------- 92.3/92.3 kB 5.5 MB/s eta 0:00:00
Downloading mccabe-0.7.0-py2.py3-none-any.whl (7.3 kB)
Downloading platformdirs-4.2.0-py3-none-any.whl (17 kB)
Downloading tomlkit-0.12.4-py3-none-any.whl (37 kB)
Installing collected packages: tomlkit, platformdirs, mccabe, isort, dill, astroid, pylint
Successfully installed astroid-3.1.0 dill-0.3.8 isort-5.13.2 mccabe-0.7.0 platformdirs-4.2.0 pylint-3.1.0 tomlkit-0.12.4

[notice] A new release of pip is available: 23.2.1 -> 24.0
[notice] To update, run: python.exe -m pip install --upgrade pip

mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$
```

Dodałem do pliku Makefile komendę pylint i po jej użyciu odpisuje nam ona w skali 1-10 jak dobrze mamy napisany kod.

lm-wsb Update Makefile

Code Blame 3 lines (3 loc) · 58 Bytes Code 55% faster with GitHub Copilot

```
1    pip install -r requirements.txt
2    flask run
3    pylint app.py
```

```
mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$ pylint app.py
************* Module app
app.py:1:0: C0114: Missing module docstring (missing-module-docstring)
app.py:7:0: C0116: Missing function or method docstring (missing-function-docstring)
app.py:13:0: C0116: Missing function or method docstring (missing-function-docstring)
app.py:2:0: W0611: Unused escape imported from markupsafe (unused-import)

------------------------------------
Your code has been rated at 4.29/10

mazep@DESKTOP-G1UBP6O MINGW64 ~/cw_praca_z_kodem (main)
$
```

Readme jest kluczowym elementem każdego projektu, informuje użytkowników o wszystkim co w danej aplikacji jest najważniejsze. Pomaga deweloperom w zrozumieniu, korzystaniu i rozwoju. Zapewnia dokumentacje i promuje otwartość projektu.