

Sprawozdanie ćwiczenia 2 – Arkadiusz Kubiszewski

Jako, że mnie nie było na zajęciach to odrabiam zaległości i przesyłam dość blisko terminu końcowego (powodem była komunia)

Link do repo: https://github.com/Shift-Happens/cw_lista_nr_2

Stworzenie repa pod ćwiczenie i dodanie plików:

```
Surface@Surface MINGW64 ~/Desktop/Lista_2_repo
$ git clone https://github.com/Shift-Happens/cw_lista_nr_2.git
Cloning into 'cw_lista_nr_2'...
warning: You appear to have cloned an empty repository.

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo
$ cd cw_lista_nr_2/

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ touch README.md

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ touch app.py

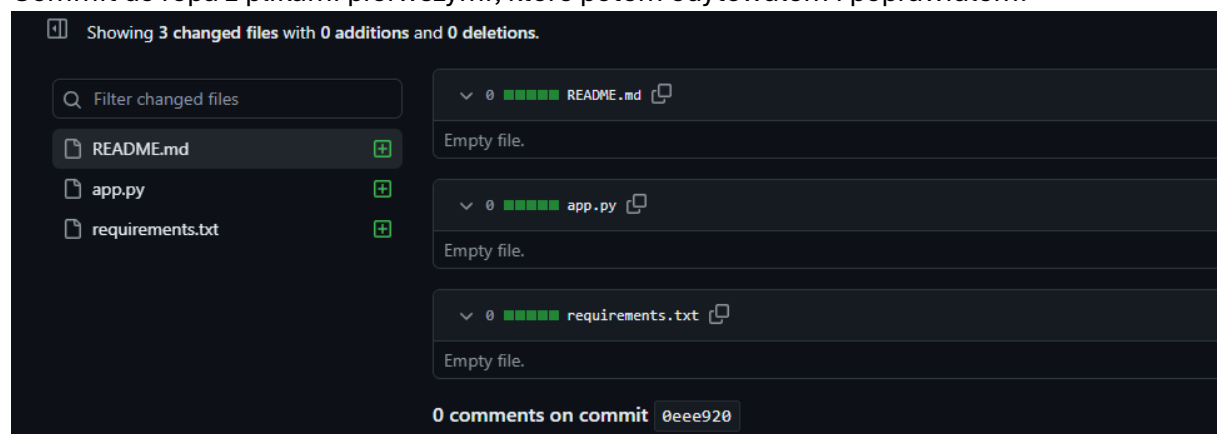
Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ git add .

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ touch requirements.txt

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ git add requirements.txt

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ |
```

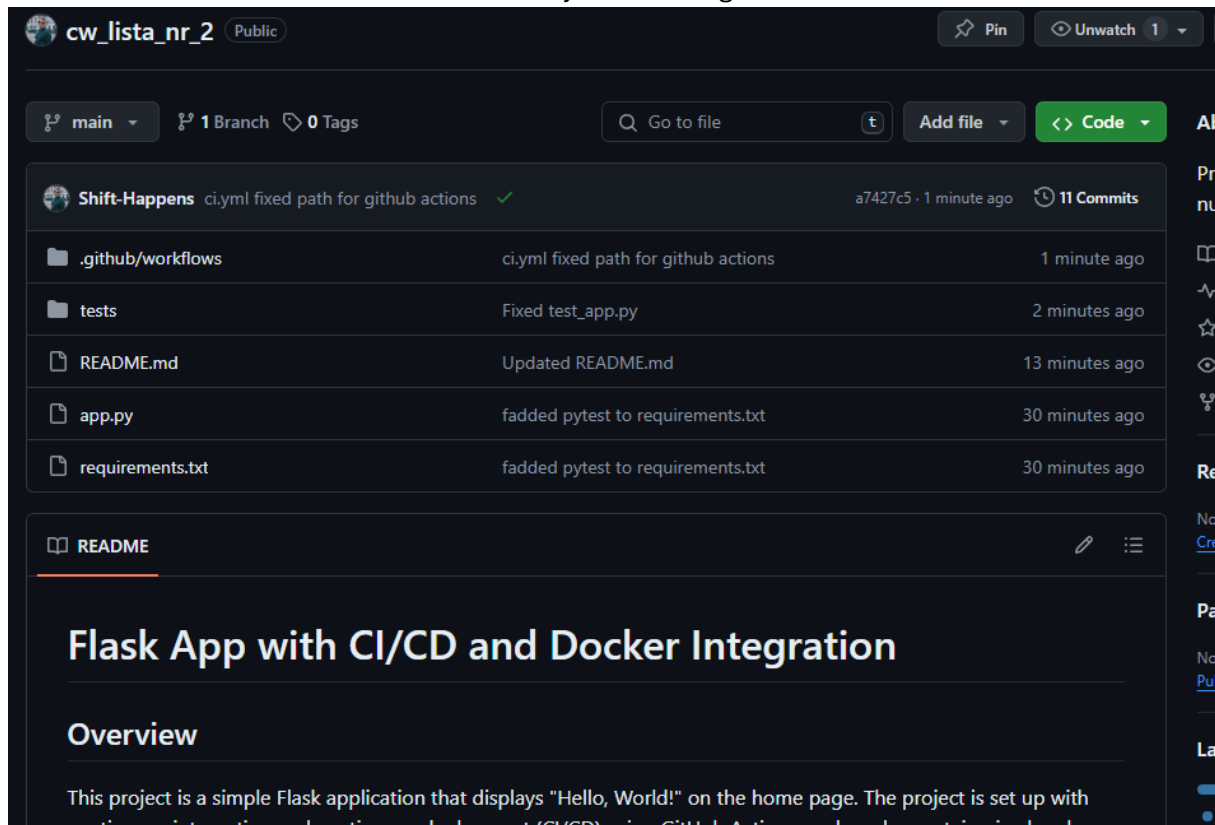
Commit do repa z plikami pierwszymi, które potem edytowałem i poprawiałem:



jako że nie ustawiałem wcześniej github actions i workflow automatycznego dla projektu to

trochę utknąłem, natomiast po pewnym czasie udało się pododawać pliki do repo i ustawić workflows.

Zrobienie folderu workflows i dodanie testu jednoskowego:



Ewidentnie coś źle na początku zrobiłem bo nie działa jak powinno, chwilę się z tym męczyłem ale w końcu się udało i testy jednostkowe się wykonują (i to z sukcesem):

8 workflow runs				Event	Status	Branch	Actor
✓	ci.yml fixed path for github actions	main	CI/CD #8: Commit a7427c5 pushed by Shift-Happens	now	17s	...	
✗	Fixed test_app.py	main	CI/CD #7: Commit 31d879b pushed by Shift-Happens	2 minutes ago	15s	...	
✗	Fixed path for app.py	main	CI/CD #6: Commit g53b63d pushed by Shift-Happens	3 minutes ago	17s	...	
✗	Merge branch 'main' of https://github.com/Shift-Happens/cw_lista_nr_2	main	CI/CD #5: Commit 0c2e2a1 pushed by Shift-Happens	7 minutes ago	16s	...	
✗	Updated README.md	main	CI/CD #4: Commit 22b9b6b pushed by Shift-Happens	12 minutes ago	Failure	...	
✗	Fixed issues with tests	main	CI/CD #3: Commit dcbbcb78 pushed by Shift-Happens	14 minutes ago	Failure	...	
✗	Added test script	main	CI/CD #2: Commit 26d7455 pushed by Shift-Happens	26 minutes ago	Failure	...	
✗	fadded pytest to requirements.txt	main	CI/CD #1: Commit af6b28c pushed by Shift-Happens	29 minutes ago	Failure	...	

cw lista_nr 2 / tests / test_app.py

Shift-Happens Fixed test_app.py

Code Blame 12 lines (9 loc) · 223 Bytes

```
1 import pytest
2 from app import app
3
4 @pytest.fixture
5 def client():
6     with app.test_client() as client:
7         yield client
8
9 def test_hello_world(client):
10     rv = client.get('/')
11     assert rv.data == b'Hello, World!'
12
```

Utworzenie dockerfile:

Następnie utworzyłem dockerfile i napisałem podstawowa konfiguracje:

```
1 # Use the official Python image from the Docker Hub
2 FROM python:3.9-slim
3
4 # Set the working directory
5 WORKDIR /app
6
7 # Copy the requirements file into the container
8 COPY requirements.txt requirements.txt
9
10 # Install the dependencies
11 RUN pip install --no-cache-dir -r requirements.txt
12
13 # Copy the rest of the application code
14 COPY . .
15
16 # Expose the port the app runs on
17 EXPOSE 5000
18
19 # Define the command to run the application
20 CMD ["python", "app.py"]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Requirement already satisfied: urllib3>=1.26.0 in c:\users\surface\appdata\local\programs\python\python310\lib\site-packages (from docker) (2.2.1)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\surface\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.26.0) (3.2.0)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\surface\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.26.0) (2024.7.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\surface\appdata\local\programs\python\python310\lib\site-packages (from requests>=2.26.0) (3.10)
WARNING: You are using pip version 21.2.3; however, version 24.0 is available.
You should consider upgrading via the 'C:\Users\Surface\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
\$ docker
bash: docker: command not found

Z jakiegoś powodu docker mi nie śmiga tak jak powinien więc zainstalowałem ponownie (zyje się raz)

Teraz kontener się abudował:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
[+] Building 0.0s (0/0) docker:default
[+] Building 43.9s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 511B
=> [internal] load metadata for docker.io/library/python:3.9
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/5] FROM docker.io/library/python:3.9@sha256:1446afd121c574b13077f4137443114cd8085f1d4de5ee63c08305b5870f2b8a
=> => resolve docker.io/library/python:3.9@sha256:1446afd121c574b13077f4137443114cd8085f1d4de5ee63c08305b5870f2b8a
=> sha256:c6cf28aeb9e67787eeeb08f0b01d7f1566a508b56fee549687b41d4d375f12c7 49.58MB / 49.58MB
=> sha256:1446afd121c574b13077f4137443114cd8085f1d4de5ee63c08305b5870f2b8a 1.86kB / 1.86kB
=> sha256:4c48c04d1fb3009c52c336e056f902701a669fb1a0dcf7b31eecaa5902e4b624 2.01kB / 2.01kB
=> sha256:c94ad8caac8c383c0bb160f9d16b1efcb6aec23d334077b6bbdbca934f1658aa 7.31kB / 7.31kB
=> sha256:891494355808b4d3db5552f0d3723fd0fa826675f774853796fafa221d8504d2 24.05MB / 24.05MB
=> sha256:6582c62583ef22717db8d306b1d6a0c280809ff607d0c0d2d81c4f8973cbfee3 64.14MB / 64.14MB
=> sha256:bf2c3e352f3d2eed44a1022a081058d4f20ac0584db70c138b041e2 211.21MB / 211.21MB
=> extracting sha256:c6cf28aeb9e67787eeeb08f0b01d7f1566a508b56fee549687b41d4d375f12c7
=> sha256:a99509a323905a0628005e4f3bc26ac15ebaf3ffdb08a9646a7f2d110ab38f9 6.39MB / 6.39MB
=> sha256:6d3d7d17de07b8f1f6be6f9edd43bce3ac0f043209f192ee7be60c6e301c7c58 15.82MB / 15.82MB
=> sha256:891494355808b4d3db5552f0d3723fd0fa826675f774853796fafa221d8504d2
=> sha256:b48a26c2e793d41d2af3d848f1857a70988240cc7ed68065bf2163615b4953e7 243B / 243B
=> sha256:bf7985fdee5c0bc4ef85f9f7632a4e68eeef4d3903f45abb2ad7918afd35ac906 2.85MB / 2.85MB
=> extracting sha256:6582c62583ef22717db8d306b1d6a0c280809ff607d0c0d2d81c4f8973cbfee3
=> extracting sha256:bf2c3e352f3d2eed44a1022a081058d4f20ac0584db70c138b041e2
=> extracting sha256:a99509a323905a0628005e4f3bc26ac15ebaf3ffdb08a9646a7f2d110ab38f9
=> extracting sha256:6d3d7d17de07b8f1f6be6f9edd43bce3ac0f043209f192ee7be60c6e301c7c58
=> extracting sha256:b48a26c2e793d41d2af3d848f1857a70988240cc7ed68065bf2163615b4953e7
=> extracting sha256:bf7985fdee5c0bc4ef85f9f7632a4e68eeef4d3903f45abb2ad7918afd35ac906
=> [internal] load build context
=> => transferring context: 58.16kB
=> [2/5] WORKDIR /cw_lista_nr_2
=> [3/5] COPY requirements.txt requirements.txt
=> [4/5] RUN pip install --no-cache-dir -r requirements.txt
=> [5/5] COPY . .
=> exporting image
=> => exporting layers
=> => writing image sha256:5c8f7d3c002f8b27b71ced40d1eb9103b1c977265f935289c2d0526835ef967a
=> => naming to docker.io/library/cw_lista_nr_2
```

Uruchomienie kontenera:

```
What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview

Surface@Surface MINGW64 ~/Desktop/Lista_2_repo/cw_lista_nr_2 (main)
$ docker run -p 5000:5000 cw_lista_nr_2
* Serving Flask app 'app'
* 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 all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
```

Potwierdzenie działania:

