***Kmenda w terminal”***

docker-compose up --build –d

***error”***

33.31 Downloading pytz-2024.1-py2.py3-none-any.whl (505 kB)

0.0,>=3.4.0.0,<4.0.0.0

33.43 ERROR: Could not find a version that satisfies the requirement pywin32==306 (from versions: none)

33.43 ERROR: No matching distribution found for pywin32==306

33.65

33.65 [notice] A new release of pip is available: 23.0.1 -> 24.3.1

33.65 [notice] To update, run: pip install --upgrade pip

------

failed to solve: process "/bin/sh -c pip install --no-cache-dir -r requirements.txt" did not complete successfully: exit code: 1

(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo>

***W requairements.txt czeba umiwscic ta linijke***

pywin32==306; platform\_system == "Windows" wtedy docker zignoruje pywin32==306

lub usunac z requariments.txt pywin32==306

***nastepnie wpisz komende w terminalu aby przebudowac obraz w docker od nowa, ignorujac cache”***

***error”***

40.10 Preparing metadata (pyproject.toml): finished with status 'error'

40.11 error: subprocess-exited-with-error

40.11

40.11 × Preparing metadata (pyproject.toml) did not run successfully.

40.11 │ exit code: 1

40.11 ╰─> [6 lines of output]

40.11

40.11 Cargo, the Rust package manager, is not installed or is not on PATH.

40.11 This package requires Rust and Cargo to compile extensions. Install it through

40.11 the system's package manager or via https://rustup.rs/

40.11

40.11 Checking for Rust toolchain....

40.11 [end of output]

40.11

40.11 note: This error originates from a subprocess, and is likely not a problem with pip.

40.12 error: metadata-generation-failed

40.12

40.12 × Encountered error while generating package metadata.

40.12 ╰─> See above for output.

40.12

40.12 note: This is an issue with the package mentioned above, not pip.

40.12 hint: See above for details.

40.31

40.31 [notice] A new release of pip is available: 23.0.1 -> 24.3.1

40.31 [notice] To update, run: pip install --upgrade pip

------

failed to solve: process "/bin/sh -c pip install --no-cache-dir -r requirements.txt" did not complete successfully: exit code: 1

***ponownie uruchom docker komenda***

docker-compose up –d

***error “***

31.64 error: subprocess-exited-with-error

31.64

31.64 × Preparing metadata (pyproject.toml) did not run successfully.

31.64 │ exit code: 1

31.64 ╰─> [6 lines of output]

31.64

31.64 Cargo, the Rust package manager, is not installed or is not on PATH.

31.64 This package requires Rust and Cargo to compile extensions. Install it through

31.64 the system's package manager or via https://rustup.rs/

31.64

31.64 Checking for Rust toolchain....

31.64 [end of output]

31.64

31.64 note: This error originates from a subprocess, and is likely not a problem with pip.

31.65 error: metadata-generation-failed

31.65

31.65 × Encountered error while generating package metadata.

31.65 ╰─> See above for output.

31.65

31.65 note: This is an issue with the package mentioned above, not pip.

31.65 hint: See above for details.

31.88

31.88 [notice] A new release of pip is available: 23.0.1 -> 24.3.1

31.88 [notice] To update, run: pip install --upgrade pip

------

failed to solve: process "/bin/sh -c pip install --no-cache-dir -r requirements.txt" did not complete successfully: exit code: 1

(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo>

***błąd wskazuje, że jedna z paczek w requirements.txt wymaga kompilacji rozszerzeń w Rust, co wymaga zainstalowania narzędzi Rust i Cargo. Docker nie posiada tych narzędzi domyślnie, więc musimy je dodać do obrazu.***

***W tym momencie postanowilem wrzucic tylko wymagane biblioteki oto one”***

fastapi==0.115.4

uvicorn==0.22.0

joblib==1.4.2

numpy==1.26.4

pandas==2.2.2

jinja2==3.1.2

python-multipart==0.0.5

scikit-learn==1.5.2

***I po wpisaniu komendy*** docker-compose up –d

***Docker odpalil oto wynik”***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker-compose up -d***

***time="2024-11-08T20:48:25-05:00" level=warning msg="C:\\Project\\myProject\\DataScienceGroupProject\\Marcinolo\\docker-compose.yml: `version` is obsolete"***

***[+] Building 48.6s (9/9) FINISHED docker:desktop-linux***

***=> [app internal] load build definition from Dockerfile 0.0s***

***=> => transferring dockerfile: 472B 0.0s***

***=> [app internal] load metadata for docker.io/library/python:3.10-slim 0.6s***

***=> [app internal] load .dockerignore 0.0s***

***=> => transferring context: 2B 0.0s***

***=> [app 1/4] FROM docker.io/library/python:3.10-slim@sha256:eb9ca77b1a0ffbde84c1dc333be 0.0s***

***=> [app internal] load build context 0.1s***

***=> => transferring context: 3.70kB 0.0s***

***=> CACHED [app 2/4] WORKDIR /app 0.0s***

***=> [app 3/4] COPY . /app 0.5s***

***=> [app 4/4] RUN pip install --no-cache-dir -r requirements.txt 43.8s***

***=> [app] exporting to image 3.2s***

***=> => exporting layers 3.1s***

***=> => writing image sha256:0c854fb5c1814e38a5a8dfed7acb380c0d4c65beccb3a323c525229d39c1 0.0s***

***=> => naming to docker.io/library/marcinolo-app 0.0s***

***[+] Running 1/1***

***✔ Network marcinolo\_default Created 0.1s***

***- Container fastapi\_app Creating 0.0s***

***Error response from daemon: Conflict. The container name "/fastapi\_app" is already in use by container "696e7bcc79136f600cce443b8dcf390adefe6f69dbf68cf6423a809ddbfd9eb0". You have to remove***

***(or rename) that container to be able to reuse that name.***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo>***

***W tym momencie musisz usunac kontener by ten nowo utworzony dzialal” lub zmienic nazwe kontenera.Lub w docker\_compose.yml wpisac nowa nazwe jak ponizejw tym miejscu”***

***services:***

***app:***

***container\_name: fastapi\_app\_new # Zmieniona nazwa***

***...***

***Jezeli otrzymasz taki blad „***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker rm -f fastapi\_app***

***Error response from daemon: No such container: fastapi\_app***

***Sprawdz komenda***

***docker ps –a***

To polecenie pokaże pełną listę kontenerów. Jeśli zobaczysz kontener o nazwie /fastapi\_app lub podobnej, zanotuj jego ID (zwykle będzie to ciąg znaków rozpoczynający się od cyfr i liter) i usuń go za pomocą:

***docker rm -f <ID\_kontenera>***

***jezeli nie posiadasz fastapi a error ten masz to możesz spróbować uruchomić docker-compose up w trybie bez bufora, aby upewnić się, że nie ma problemów z cache:***

***docker-compose up --force-recreate –d***

***oto wynik “***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker-compose up --force-recreate -d***

***time="2024-11-08T21:06:26-05:00" level=warning msg="C:\\Project\\myProject\\DataScienceGroupProject\\Marcinolo\\docker-compose.yml: `version` is obsolete"***

***[+] Running 1/1***

***✔ Container fastapi\_app Started 1***

***Nastepnie uzyj komendy w terminal “***

***docker-compose up –d***

***wynik***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker-compose up -d***

***time="2024-11-08T21:07:49-05:00" level=warning msg="C:\\Project\\myProject\\DataScienceGroupProject\\Marcinolo\\docker-compose.yml: `version` is obsolete"***

***[+] Running 1/0***

***✔ Container fastapi\_app Running***

***Wpisz komende „***

docker build -t fastapi\_app .

***wynik”***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker build -t fastapi\_app***

***.***

***[+] Building 44.5s (9/9) FINISHED docker:desktop-linux***

***=> [internal] load build definition from Dockerfile 0.0s***

***=> => transferring dockerfile: 472B 0.0s***

***=> [internal] load metadata for docker.io/library/python:3.10-slim 0.7s***

***=> [internal] load .dockerignore 0.0s***

***=> => transferring context: 2B 0.0s***

***=> [1/4] FROM docker.io/library/python:3.10-slim@sha256:eb9ca77b1a0ffbde84c1dc333beb349 0.0s***

***=> [internal] load build context 0.0s***

***=> => transferring context: 2.75kB 0.0s***

***=> CACHED [2/4] WORKDIR /app 0.0s***

***=> [4/4] RUN pip install --no-cache-dir -r requirements.txt 39.5s***

***=> exporting to image 3.1s***

***=> => exporting layers 3.0s***

***=> => writing image sha256:af7319aa28dba2fadc812ae62707b99378b110a19f57e57eddfac83da11d 0.0s***

***=> => naming to docker.io/library/fastapi\_app 0.0s***

***View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/mq3yb87dkra7nhghys54hy20k***

***What's next:***

***View a summary of image vulnerabilities and recommendations → docker scout quickview***

***Jezeli po wpisaniu komendy “***

***docker run -d -p 8000:8000 fastapi\_app otrzymasz error”***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker run -d -p 8000:8000 fastapi\_app***

***575dbf6030d066d863ae6b5630d5eaefff26c9f7116eafeacb74ceb029f1d5ff***

***docker: Error response from daemon: driver failed programming external connectivity on endpoint sweet\_chandrasekhar (42f091270a7b82c42b7f34ff4d6dc4869d9bbc6e7fd01817e14f5d01e7a71e9e): Bind for 0.0.0.0:8000 failed: port is already allocated.sprawdz czy contener fastapi dzila juz ,komenda”***

***docker ps***

***wynik powinien wygladac tak”***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker ps***

***CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS***

***NAMES***

***a145581f8219 marcinolo-app "uvicorn main:app --…" 6 minutes ago Up 5 minutes 0.0.0.0:8000->8000/tcp, 8080/tcp fastapi\_app***

***nastepnie musisz zatrzymac dany kontener fastapi komenda”***

***docker stop fastapi\_app***

***nastepnie uruchom ponownie aplikacje***

***docker run -d -p 8000:8000 fastapi\_app***

***wynik***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker run -d -p 8000:8000 fastapi\_app***

***6a8e757f580c2d354583620a5ac8bcc2e5418370c901b24d216b22fb5bdf1e6e***

***To sa poszczegolne kroki przy errorach jakie masz lub miales po odpalaniu docker run -d -p 8000:8000 fastapi\_app.***

***Jezeli chodzi o main.py u ciebie brakuje***

import os

***oraz***

# Wczytanie zmiennych środowiskowych

MODEL\_PATH = os.getenv("MODEL\_PATH", "model\_random\_forest.pkl")

PORT = int(os.getenv("PORT", 8000))

DEBUG = os.getenv("DEBUG", "True").lower() in ("true", "1")

***Ktore wpisujesz po bibliotekach***

***Jezeli ponownie po uruchomieniou masz ten blad “***

***- Container fastapi\_app Starting 0.5s***

***Error response from daemon: driver failed programming external connectivity on endpoint fastapi\_app (181138dc77752ce3e978d28e961255114195c3ea4da3194c51d1f5f2438d9a5e): Bind for 0.0.0.0:8000***

***failed: port is already allocated***

***zatrzymaj i usun istniejace kontenery w moich poprzednich zadaniach domowych na dockerze usuwalem wszystkie kontenery i na nowo robilem nowe jak i rownierz obrazy tak ze mialem dockera czystego.***

***Lub w docker\_compose.yml zmien port na 8001 jak ponizej***

 ports:

      - "8001:8000"

***Ja otrzymalem taki wynik***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo> docker-compose up --build -d***

***time="2024-11-08T21:35:11-05:00" level=warning msg="C:\\Project\\myProject\\DataScienceGroupProject\\Marcinolo\\docker-compose.yml: `version` is obsolete"***

***[+] Building 39.6s (9/9) FINISHED docker:desktop-linux***

***=> [app internal] load build definition from Dockerfile 0.0s***

***=> => transferring dockerfile: 472B 0.0s***

***=> [app internal] load metadata for docker.io/library/python:3.10-slim 0.4s***

***=> [app internal] load .dockerignore 0.0s***

***=> => transferring context: 2B 0.0s***

***=> [app 1/4] FROM docker.io/library/python:3.10-slim@sha256:eb9ca77b1a0ffbde84c1dc333be 0.0s***

***=> [app internal] load build context 0.0s***

***=> => transferring context: 3.46kB 0.0s***

***=> CACHED [app 2/4] WORKDIR /app 0.0s***

***=> [app 3/4] COPY . /app 1.1s***

***=> [app 4/4] RUN pip install --no-cache-dir -r requirements.txt 34.8s***

***=> [app] exporting to image 3.0s***

***=> => exporting layers 3.0s***

***=> => writing image sha256:144d8dc3a6ab9f044080d945a0983951d1dbb505fb36a19d3e91d726f5ac 0.0s***

***=> => naming to docker.io/library/marcinolo-app 0.0s***

***[+] Running 1/1***

***✔ Container fastapi\_app Started 0.8s***

***(.venv) PS C:\Project\myProject\DataScienceGroupProject\Marcinolo>***

***Nastepnie scopiuj I wklej link do przegladarki “***

<http://localhost:8000/form>

i otworzy sie stronka naszego formularza