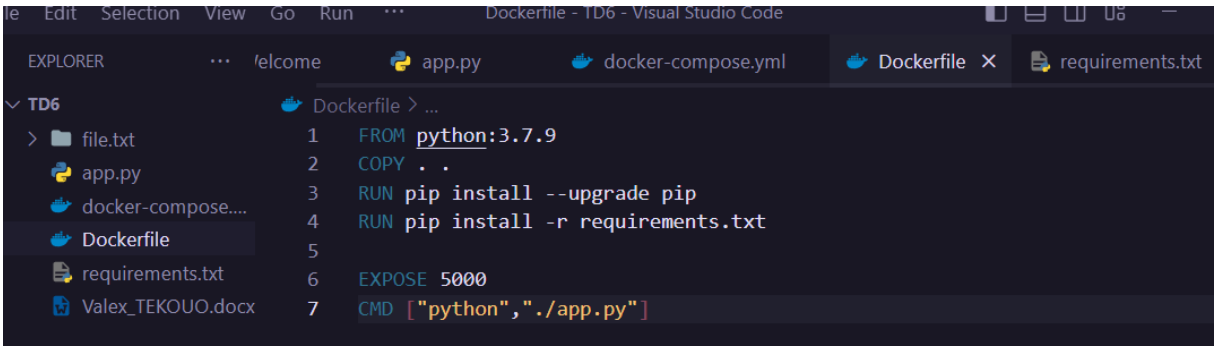
TD 6 - Volumes, bind mounts & tmpfs mounts

PART1



For this first part of the TP6 we will use Docker-compose for the app(That we used on the last TP).

In the following image you can see the specification for the docker-compose file (docker-compose.yml)

PART2

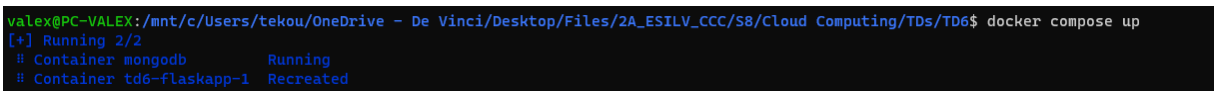
Here is the Docker-compose.yml

app.py 1 docker-compose.yml ×

ocker-compose.yml

```yaml
version: '3'
networks:
  mynetworkTP5:
    driver: bridge
services:
  mongodb:
    container_name: mongodb
    image: mongo

    networks:
      - mynetworkTP5
    ports:
      - 27017:27017
  flaskapp:
    build: .
    ports:
      - 5000:5000
    networks:
      - mynetworkTP5
    volumes:
      - type: bind
        source: ./file.txt
        target: /app/src/file.txt
    depends_on:
      - mongodb
```

- First we will specifie the version which is 3,
- We specified the network(mynetworkTP5) which is a bridge type,
- After we specified the services mongoDB(our database), flaskapp(the type of application)
- mongoDB uses the network created(mynetworkTP5), the type of the image (mongo) and the port(27017) to map the connection.
- The flaskapp is use from the origin (‘.’), it uses the same network(mynetworkTP5) as mongoDB.

- When we use depends_on(“mongoDB”) is to say that if the db container is not started the container app can’t be start.
- We also use port(5000:5000) for mapping connection)