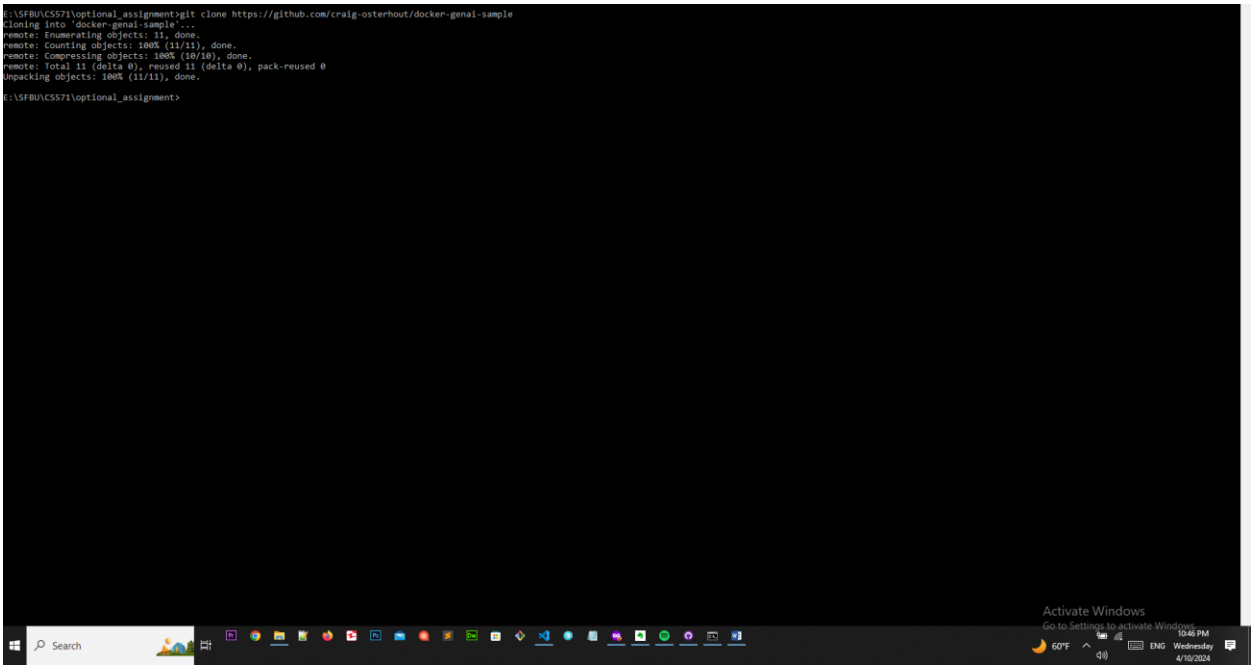
Aung Phone Kyaw

19930

CS571

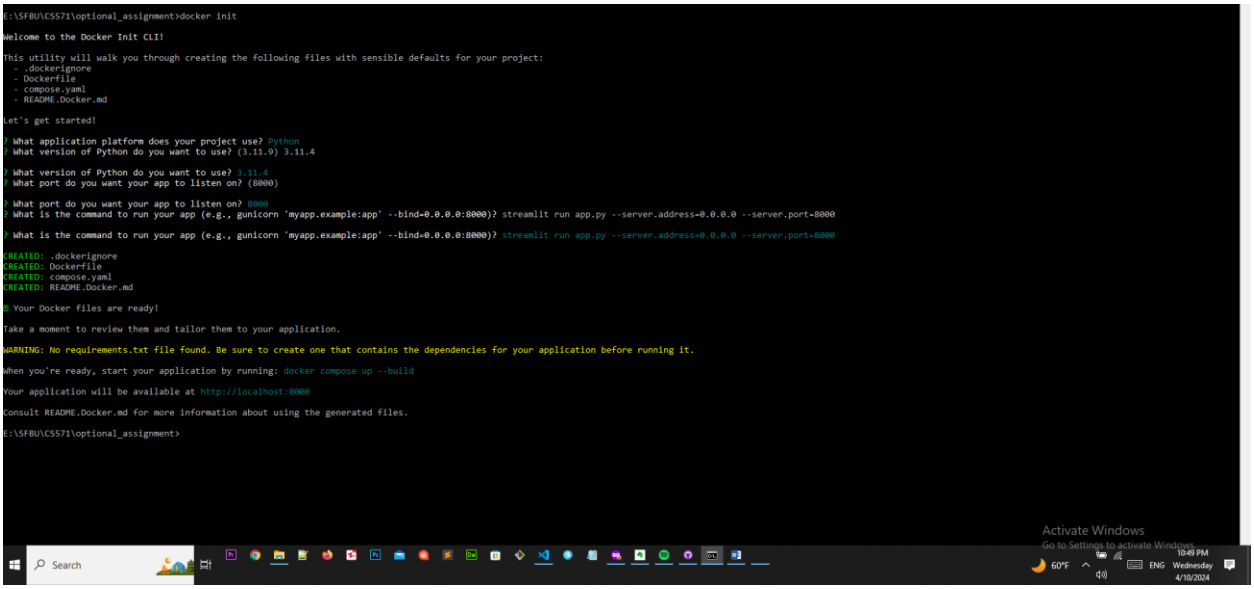
Week 11

Question 5



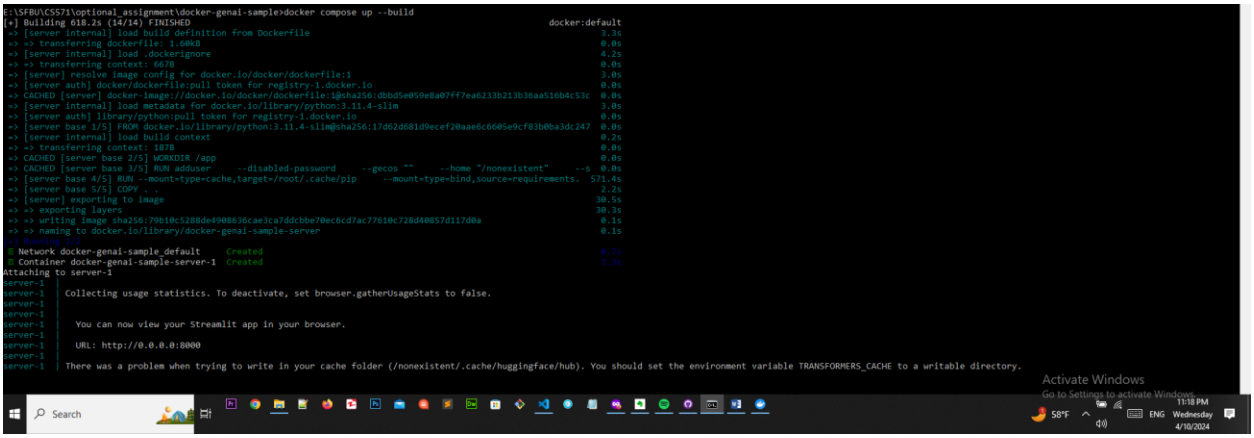
Clone gen ai project

git clone https://github.com/craig-osterhout/docker-genai-sample

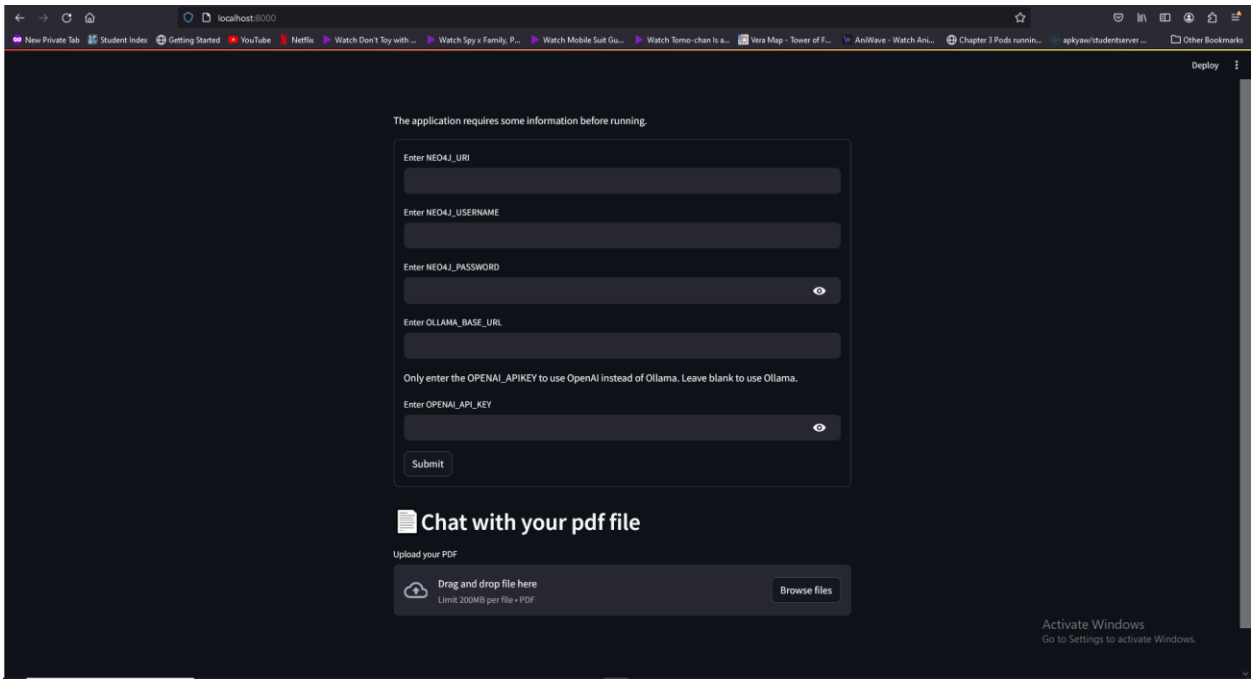


User docker init command to create docker file and other configuration file

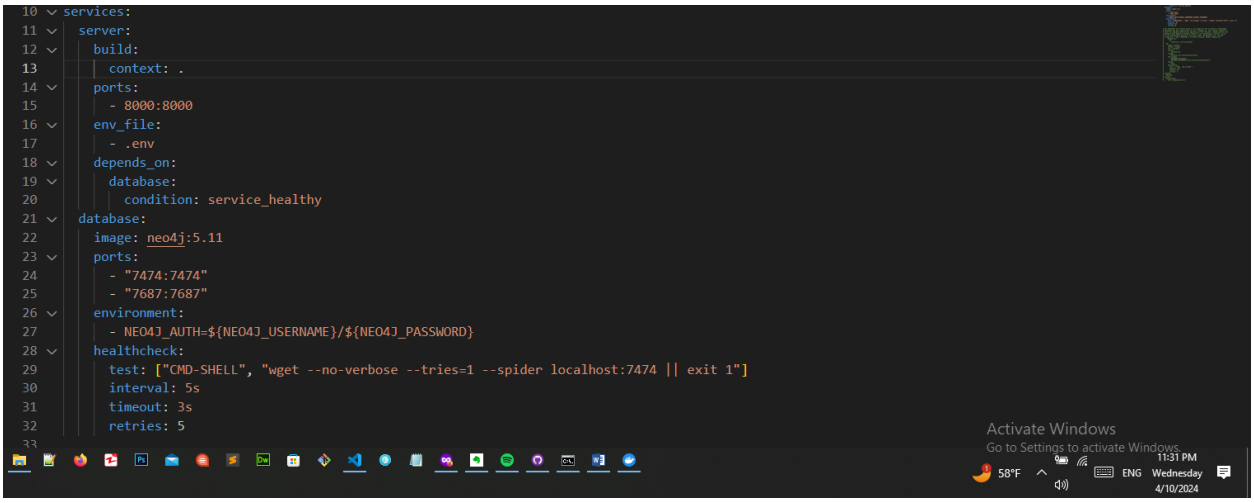
Please choose the correct options as shown



Build using docker compose up –build

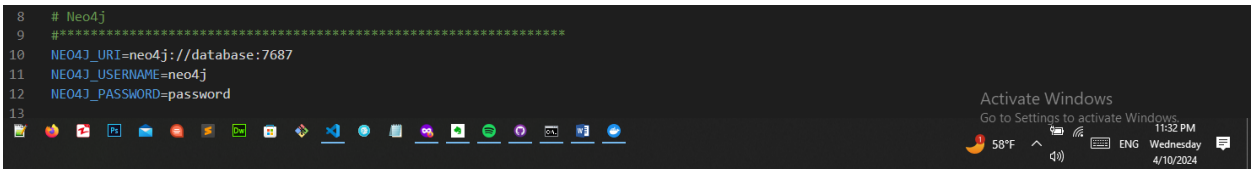


Access it using localhost:8000



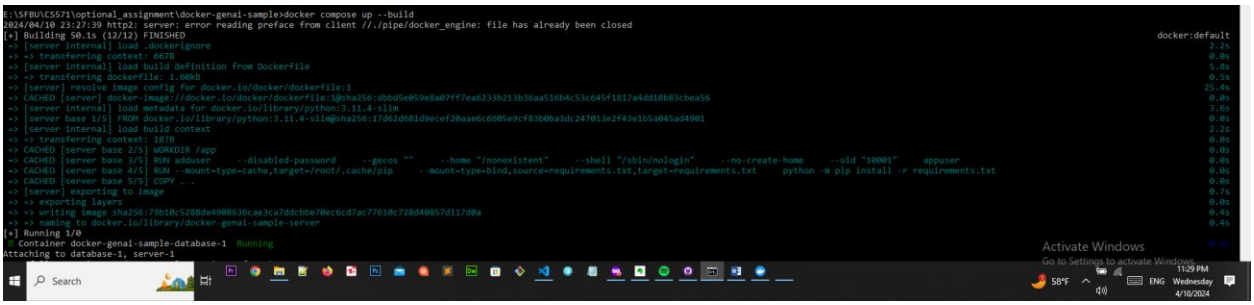
```yaml
services:
  server:
    build:
      context: .
    ports:
      - 8000:8000
    env_file:
      - .env
    depends_on:
      database:
        condition: service_healthy
  database:
    image: neo4j:5.11
    ports:
      - "7474:7474"
      - "7687:7687"
    environment:
      - NEO4J_AUTH=${NEO4J_USERNAME}/${NEO4J_PASSWORD}
    healthcheck:
      test: ["CMD-SHELL", "wget --no-verbose --tries=1 --spider localhost:7474 || exit 1"]
      interval: 5s
      timeout: 3s
      retries: 5
```


Add configuration step for neo4j in docker compose file

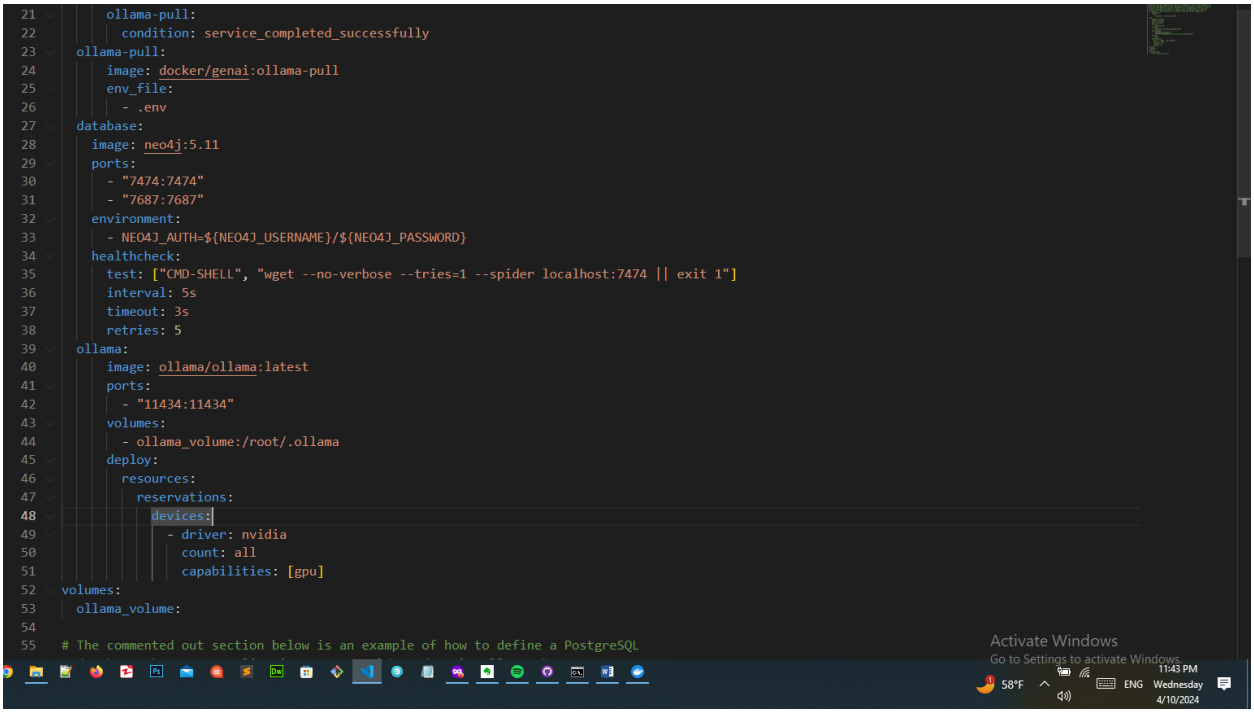


```
# Neo4j
#*****************************************************************
NEO4J_URI=neo4j://database:7687
NEO4J_USERNAME=neo4j
NEO4J_PASSWORD=password
```

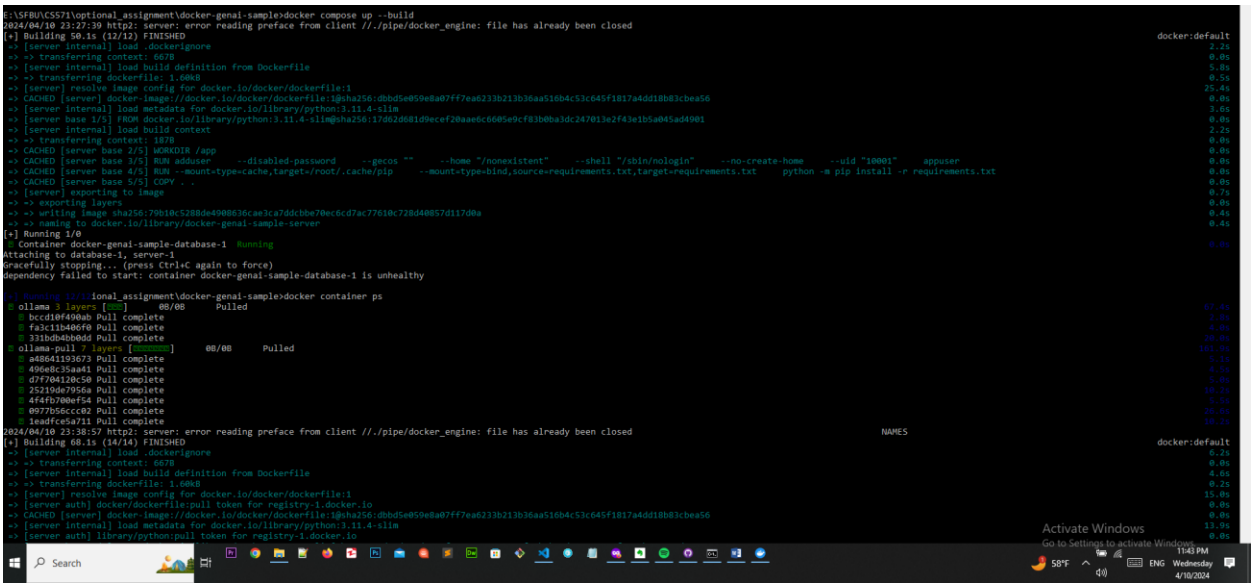

Add .env file add user name and password fields for neo4j



Build using docker compose up –build

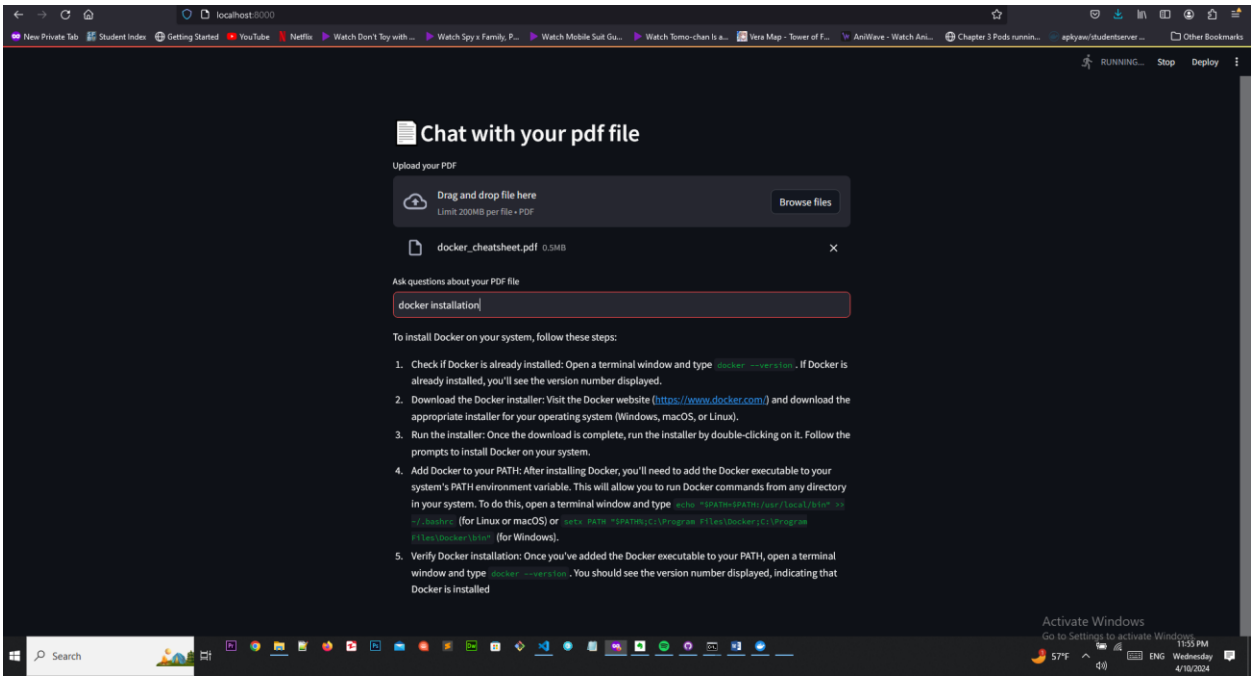


Add configuration for ollama pull and ollam in docker compose file



Build new images and containers using docker compose --build

Check if containers are running



Access the app and upload a pdf file to ask questions related to it

This is git hub repository link

https://github.com/AungPhoneKyaw/gen_ai_containerize_app