#### Week 11 Homework 2: GenAl - Containerized Video Transcription and Chat App

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This project involves setting up a containerized environment for video transcription and a chat application using Docker. The setup utilizes services from OpenAI and Pinecone to process and interact with video content.

## Steps to Set Up and Run the Project

#### **Prerequisites**

- Docker Desktop installed and running
- API keys from OpenAl and Pinecone

## **Step-by-Step Instructions**

1. Create a Local Working Directory

Create a directory on your personal computer to clone the project repository.

2. Open a Terminal

Navigate to the working directory you just created.

3. Clone the Repository

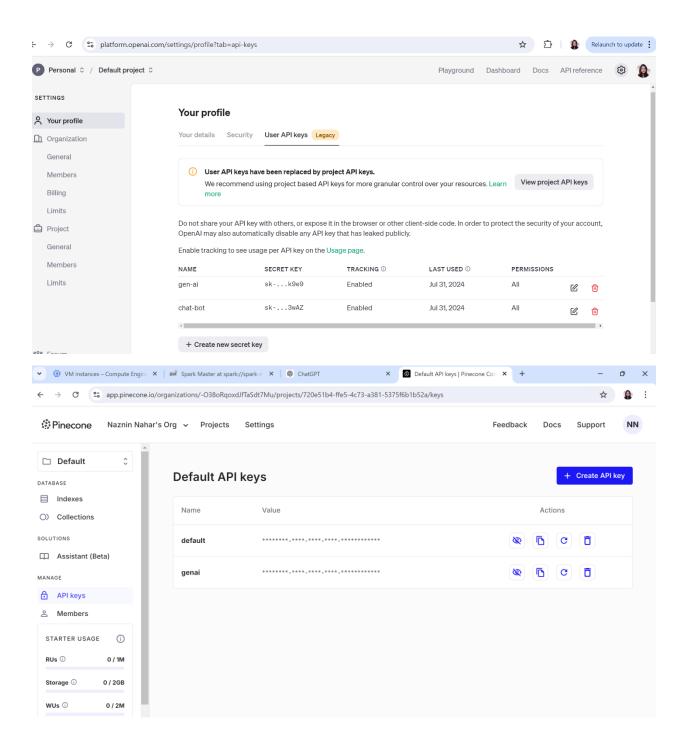
Run the following command to clone the repository from GitHub:

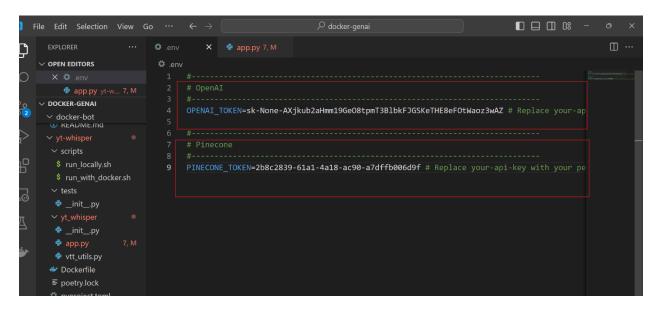
#### git clone <a href="https://github.com/Davidnet/docker-genai.git">https://github.com/Davidnet/docker-genai.git</a>

- 4. Specify Your API Keys
  - Add your billing account to OpenAI and Pinecone to obtain the necessary API keys.
  - In the docker-genai directory, create a file named .env and add your API keys:

## vim .env

- 5. Open the .env file and add the following content:
  - OPENAI\_API\_KEY=your\_openai\_api\_key
  - PINECONE\_API\_KEY=your\_pinecone\_api\_key





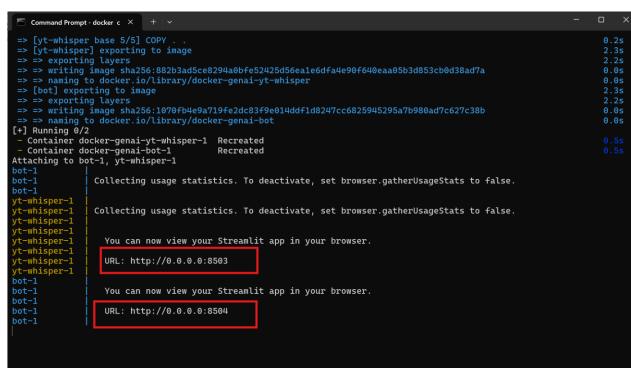
6. Turn On Docker Desktop

Ensure Docker Desktop is running on your computer.

7. Build and Run the Application

In the docker-genai directory, build and start the services using Docker Compose:

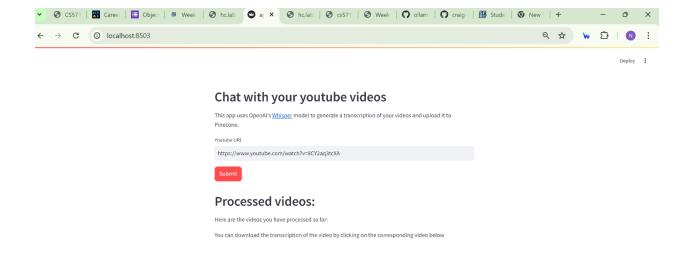
docker compose up -build



8. Using the yt-whisper Service

Open a web browser and go to:

http://localhost:8503



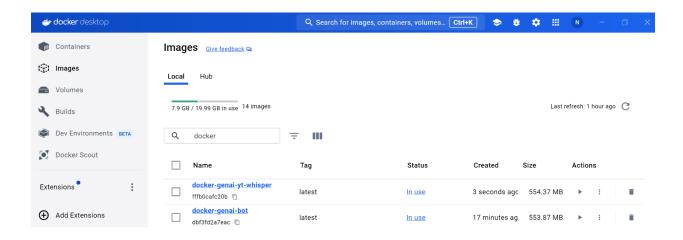
# Using the dockerbot Service

- 9. Open a web browser and go to: http://localhost:8504
- 10. Ask anything in chat and wait for the answer.



What you want to know about your videos?

11. You can also see your images on docker application.



12. Type Ctrl+c to stop the application.

```
Gracefully stopping... (press Ctrl+C again to force)

[+] Stopping 2/2

✓Container docker-genai-bot-1

✓Container docker-genai-yt-whisper-1

Canceled

C:\Users\nazni\docker-genai>
```