

proMini Project Demo:

Function: generate image based on user's input.

Requirements:

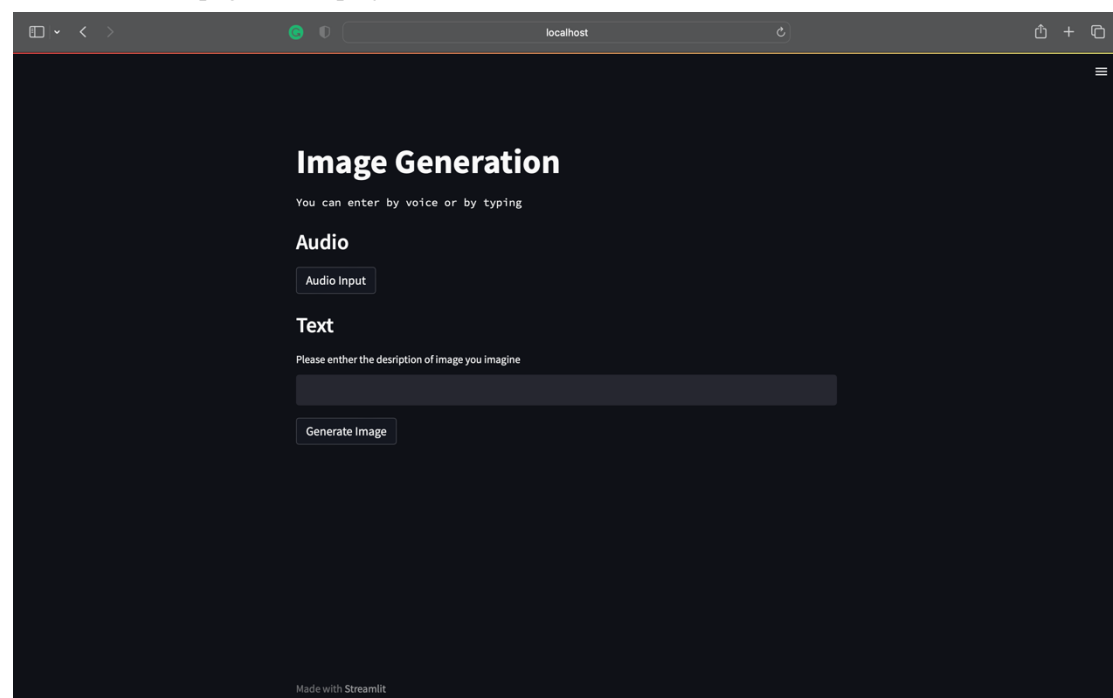
```
openai==0.27.2
opencv-python==4.7.0.72
urllib3==1.26.11
streamlit==1.20.0
protobuf==3.20.3
python-dotenv==1.0.0
SpeechRecognition==2.2.0
```

How to run this project:

1. open `.env` file, type in your APIKEY
2. open `img_generator.py`, type in terminal: `streamlit run 'img_generator.py'`. Use either local URL or Network URL to experience image generator.

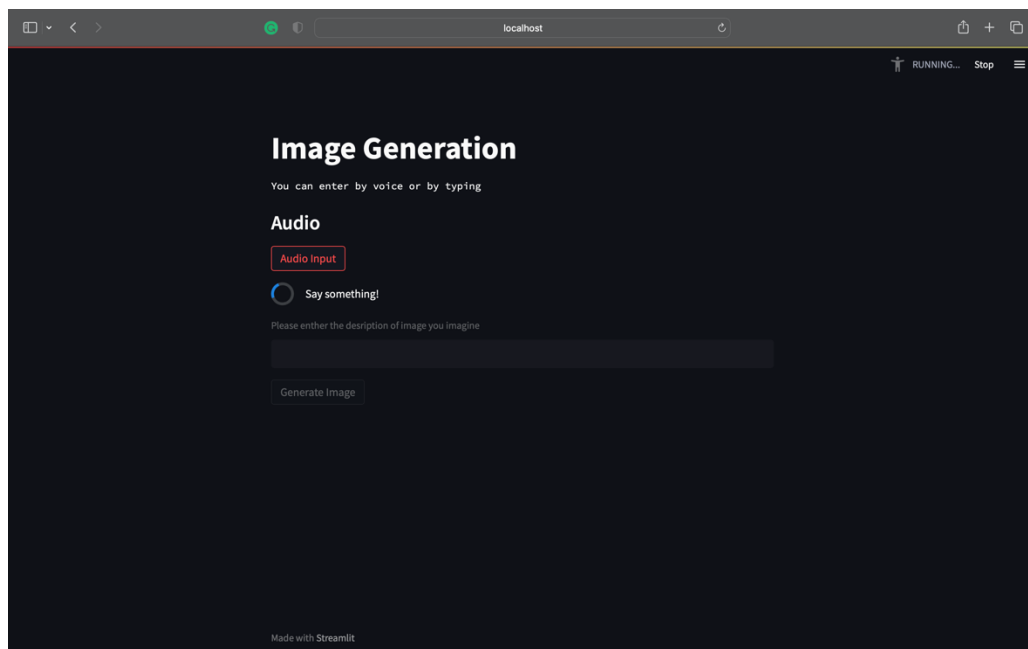
Main Page:

This is the main page of this project.



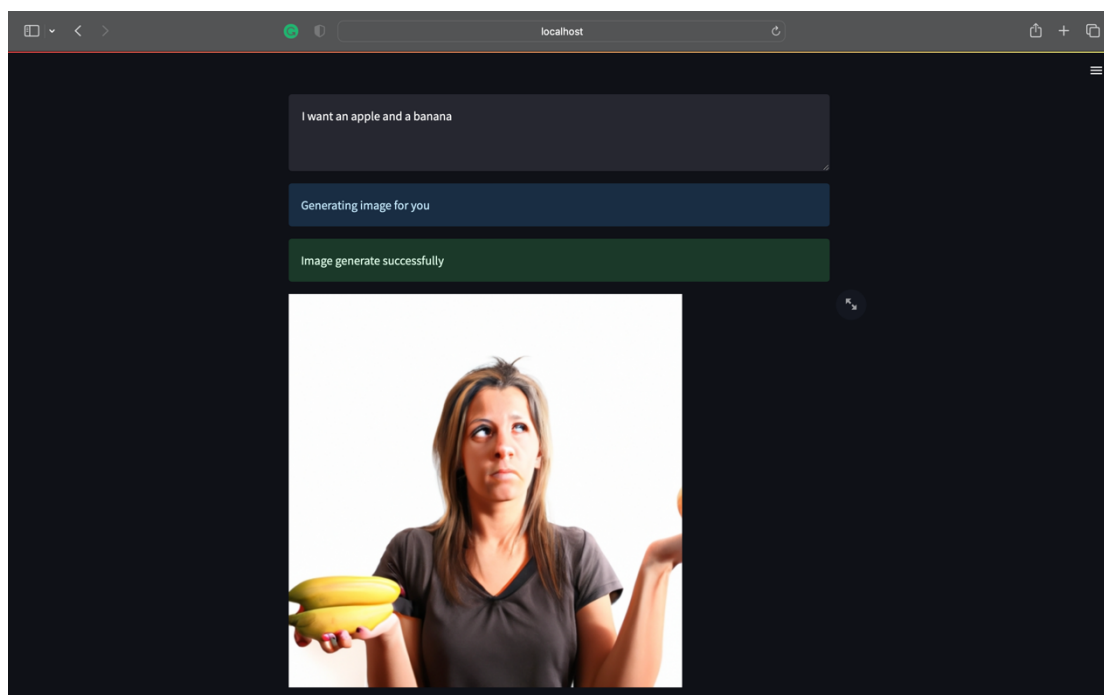
### 1. Audio Input

If the user chooses to generate image by audio, he can click on the 'Audio Input' button. When system records user's voice, there will display a loading circle and words 'Say something!'. Whatever user says, it will be converted to text.



## 1.2 Return image

When process is done, sentences will be shown in the text\_area. Then there will be two prompts: “Generating image for you” and “Image generate successfully”. Finally, system will display the image which is generated by openai.



## 2. Text Input

User can choose to type in sentences to let system generate image.

