

Source Code

```
import openai

import gradio as gr

from PIL import Image

import io

import requests


openai.api_key = 'YOUR_API_KEY'


def generate_image(prompt):

    response = openai.Image.create(

        prompt=prompt,

        n=1,

        size="1024x1024"

    )

    image_url = response['data'][0]['url']

    image_response = requests.get(image_url)

    image = Image.open(io.BytesIO(image_response.content))

    return image


interface = gr.Interface(

    fn=generate_image,

    inputs=gr.Textbox(label="Enter a Text Prompt for Image Generation"),

    outputs=gr.Image(label="Generated Image")
```

)

interface.launch()