Project 44: Random Joke Generator

Description:

This cheerful little app delivers random jokes on demand—ranging from dad jokes and puns to witty one-liners and geeky humor. A perfect pick-me-up when you need a laugh, or a great addition to any light-hearted app!

random_joke_generator.py

```python
import openai
import os
import gradio as gr

# Load the OpenAI API key
openai.api_key = os.getenv("OPENAI_API_KEY")

# Function to generate a random joke
def get_joke(joke_type):
    # System prompt sets the humor style
    messages = [
        {
            "role": "system",
            "content": (
                f"You are a joke-telling assistant. Tell a single funny, famil
                "Keep it short and clean."
            )
        },
        {
            "role": "user",
            "content": "Tell me a joke!"
        }
    ]

    try:
        # Request a joke from OpenAI
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",
            messages=messages
```

```python
    )

    # Return the joke
    return response["choices"][0]["message"]["content"].strip()

    except Exception as e:
        return f"Error: {str(e)}"


# Gradio interface for choosing joke style
iface = gr.Interface(
    fn=get_joke,
    inputs=gr.Radio(["dad joke", "pun", "geeky", "random", "witty", "knock-kno
    outputs="text",
    title="😂 Random Joke Generator",
    description="Select your joke style and get ready to laugh. Family-friendl
)

# Launch the joke app
iface.launch()
```