

Project 50: Personality Quiz Generator

Description:

This fun and interactive tool creates personality quizzes based on a topic you choose—like “What kind of pizza are you?” or “What’s your creative superpower?” It generates questions, answers, and results that are engaging and share-worthy.

personality_quiz_generator.py

```
import openai
import os
import gradio as gr

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

# Function to create a personality quiz
def generate_quiz(topic):
    # Prompt the assistant to act as a quiz creator
    messages = [
        {
            "role": "system",
            "content": (
                f"You are a creative quiz maker. Create a fun and engaging 4-c
                Each question should have 3-4 answer choices. After the quest
                Keep the tone fun, playful, and light-hearted."
            )
        },
        {
            "role": "user",
            "content": f"Create a personality quiz on: {topic}"
        }
    ]

    try:
        # Call OpenAI to create the quiz
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo", # GPT-4 optional for richer creativity
```

```

        messages=messages
    )

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

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

# Gradio interface for the quiz generator
iface = gr.Interface(
    fn=generate_quiz,
    inputs=gr.Textbox(label="Enter a Quiz Topic (e.g. What kind of wizard are you?)",
    outputs="text",
    title="🧙 Personality Quiz Generator",
    description="Type a quiz idea and get a full personality quiz with questions and answers.",
)

# Launch the app
iface.launch()

```