

Project 61: To-Do List Generator with Priorities

Description:

This tool takes your tasks and organizes them into a to-do list with urgency and importance ranked. It uses Eisenhower-style logic or priority labels like High/Medium/Low to help you focus on what matters most.

todo_list_with_priorities.py

```
import openai
import os
import gradio as gr

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

# Function to generate to-do list with priorities
def generate_todo_list(task_input, format_type):
    # Prompt the AI to act like a productivity assistant
    messages = [
        {
            "role": "system",
            "content": (
                "You are a productivity assistant. Take the user's list of tas"
                "with priorities using the chosen format. If using Eisenhower"
                "'Do First', 'Schedule', 'Delegate', or 'Eliminate'. If using"
            )
        },
        {
            "role": "user",
            "content": f"Tasks: {task_input}\nUse format: {format_type}"
        }
    ]

    try:
        # Call the OpenAI API
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",
```

```

        messages=messages
    )

    # Return organized to-do list
    return response["choices"][0]["message"]["content"].strip()

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

# Gradio Interface
iface = gr.Interface(
    fn=generate_todo_list,
    inputs=[
        gr.Textbox(label="List Your Tasks (separated by commas)",
        gr.Radio(["Simple Priority (High/Med/Low)", "Eisenhower Matrix"], label=
    ],
    outputs="text",
    title="📝 To-Do List Generator with Priorities",
    description="Enter your tasks, and I'll organize them into a prioritized t
)

# Launch the tool
iface.launch()

```