Project 77: Business Idea Evaluator

Description:

This tool evaluates your business idea based on the problem, target market, uniqueness, and potential challenges. It provides a quick SWOT-style analysis and gives a realistic thumbs-up (or down) with improvement tips.

business_idea_evaluator.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 evaluate the business idea
def evaluate_business_idea(idea, market, uniqueness, challenge):
    # Prompt to act as a startup strategist
    messages = [
        {
            "role": "system",
            "content": (
                "You are a startup strategist. Evaluate this business idea and
                "- A quick summary\n"
                "- SWOT-style evaluation (Strengths, Weaknesses, Opportunities
                "- Overall potential (Low, Moderate, High)\n"
                "- One suggestion to improve the idea."
            )
        },
        {
            "role": "user",
            "content": (
                f"Idea: {idea}\n"
                f"Target Market: {market}\n"
                f"What makes it unique: {uniqueness}\n"
                f"Biggest challenge: {challenge}"
            )
```

```python
        }
    ]

    try:
        # Ask OpenAI to evaluate
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",
            messages=messages
        )
        return response["choices"][0]["message"]["content"].strip()

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

# Gradio UI
iface = gr.Interface(
    fn=evaluate_business_idea,
    inputs=[
        gr.Textbox(label="Describe Your Business Idea"),
        gr.Textbox(label="Target Market"),
        gr.Textbox(label="What Makes It Unique?"),
        gr.Textbox(label="What's the Biggest Challenge?")
    ],
    outputs="text",
    title="💡 Business Idea Evaluator",
    description="Quickly assess your startup idea with SWOT analysis, potentia
)

# Launch the evaluator
iface.launch()
```