Project 48: Story Prompt Generator

Description:

This tool sparks creativity by generating unique story prompts based on your chosen genre or theme. Whether you're writing fantasy, sci-fi, horror, or romance, it gives you a starting idea to inspire your next masterpiece.

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story_prompt_generator.py

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

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

# Function to generate a creative story prompt
def generate_prompt(genre):
    # System message for the AI to act as a creative writing muse
    messages = [
        {
            "role": "system",
            "content": (
                f"You are a creative writing assistant. Generate a unique and
                "Make sure it inspires curiosity and imagination, but keep it
            )
        },
        {
            "role": "user",
            "content": f"Give me a {genre} writing prompt."
        }
    ]

    try:
        # Call OpenAI to get a story idea
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",  # GPT-4 for deeper twists
            messages=messages
```

```python
    )

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

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


# Gradio interface for story prompts
iface = gr.Interface(
    fn=generate_prompt,
    inputs=gr.Dropdown(["fantasy", "sci-fi", "romance", "mystery", "horror", "
    outputs="text",
    title="📚  Story Prompt Generator",
    description="Pick a genre and I'll generate a creative writing prompt to k
)

# Launch the storytelling assistant
iface.launch()
```