HauntScript: AI Horror Story Generator – Project Setup Guide

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# Prerequisites

Make sure the following are installed on your system:

- Python 3.10 or above

- pip (comes with Python)

- Internet connection (Gemini API is cloud-based)

- A Google API key for Gemini (get from https://makersuite.google.com/app)

# Project Structure

Create a folder for your project:

horror\_story\_app/

├── app.py

├── story\_gen.py

├── requirements.txt

└── README.md (optional)

# Setting Up the Environment

1. Create the folder:

mkdir horror\_story\_app

cd horror\_story\_app

2. Create and activate a virtual environment (optional):

python -m venv venv

venv\Scripts\activate # On Windows

3. Install required libraries:

pip install streamlit google-generativeai

4. Create requirements.txt:

echo streamlit > requirements.txt

echo google-generativeai >> requirements.txt

# Write the Code

story\_gen.py:

import google.generativeai as genai

# Configure with your Gemini API key

genai.configure(api\_key="YOUR\_API\_KEY")

model = genai.GenerativeModel("gemini-1.5-flash")

def generate\_story(prompt: str) -> str:

try:

response = model.generate\_content(prompt)

return response.text

except Exception as e:

return f"Error generating story: {e}"

Note: Never commit your API key to GitHub. Use environment variables or .env in production.

app.py:

import streamlit as st

from story\_gen import generate\_story

st.title("👻 HauntScript: Horror Story Generator")

theme = st.text\_input("Enter Horror Theme")

setting = st.text\_input("Enter Setting")

characters = st.text\_area("Enter Character Details")

twist = st.text\_area("Enter Plot Twist (optional)")

if st.button("Generate Story"):

if theme and setting and characters:

prompt = (

f"Write a horror story with the theme '{theme}', "

f"set in '{setting}', involving the following characters: {characters}. "

)

if twist:

prompt += f"Include this plot twist: {twist}."

story = generate\_story(prompt)

st.subheader("Your Horror Story")

st.write(story)

else:

st.warning("Please fill in all the required fields.")

# Running the App

1. Open a terminal and navigate to the project folder:

cd C:\Users\YourUsername\Desktop\horror\_story\_app

2. Run the app using the Python interpreter:

C:\Users\YourUsername\AppData\Local\Programs\Python\Python312\python.exe -m streamlit run app.py

Or if Python is in PATH, simply use:

streamlit run app.py

# Deploying to GitHub

1. Initialize Git:

git init

git add .

git commit -m "Initial commit"

2. Push to GitHub:

git remote add origin https://github.com/your-username/horror\_story\_app.git

git branch -M main

git push -u origin main

# Notes

- This app uses Gemini 1.5 Flash for fast and high-quality story generation.

- You must have a valid API key from https://makersuite.google.com/app.

- Never share your API key publicly.

# Optional Enhancements

- Add PDF/Markdown export of the story.

- Use a .env file for API key security.

- Add themes as dropdowns.

- Deploy using Streamlit Cloud or Hugging Face Spaces.