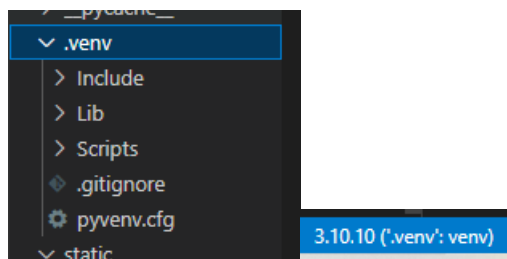# Bedtime Story Generator

Tiancheng He

Overview

Kids love stories, but for parents, after a busy day, they could hardly come up with a new story for their kids. The stories from books will exhaust sooner or later. That's when our Bedtime Story Generator could be a good helper! The Generator enables the users to enter a very basic idea of the story, it can be anything happened from work, from any source they have read, anything interesting. Also, the generator can let the user to choose a merit to include in the story so that kids can learn something while having fun. After the story, there will be an extra interesting fact related to the story, so kids can learn some extra knowledge.

Installing

Use the requirements.txt to build up the venv. Use the venv to play with it.

Code

Run the generator.py, there are two main functions.

```python
def get_story():
    '''
    Give flask the story generated from the generate_story function
    Parameters:
    -----------
    None
    Returns:
    --------
    A html template with the generated story.
    '''
```

```python
def generate_story(prompt, genre):
    '''
    Prints a summary of the physical therapy plan based on the users inputs.
    Parameters:
    ----------
    promt: str
        The basic story structure, for example, characters, events, time...
    genre: str
        The idea one wants to convery to the kid
    Returns:
    -------
    title: str
        The title of the story
    story: str
        The story conent
    history_fact: str
        an interesting historical fact related to the story
    Returns:
    '''
```
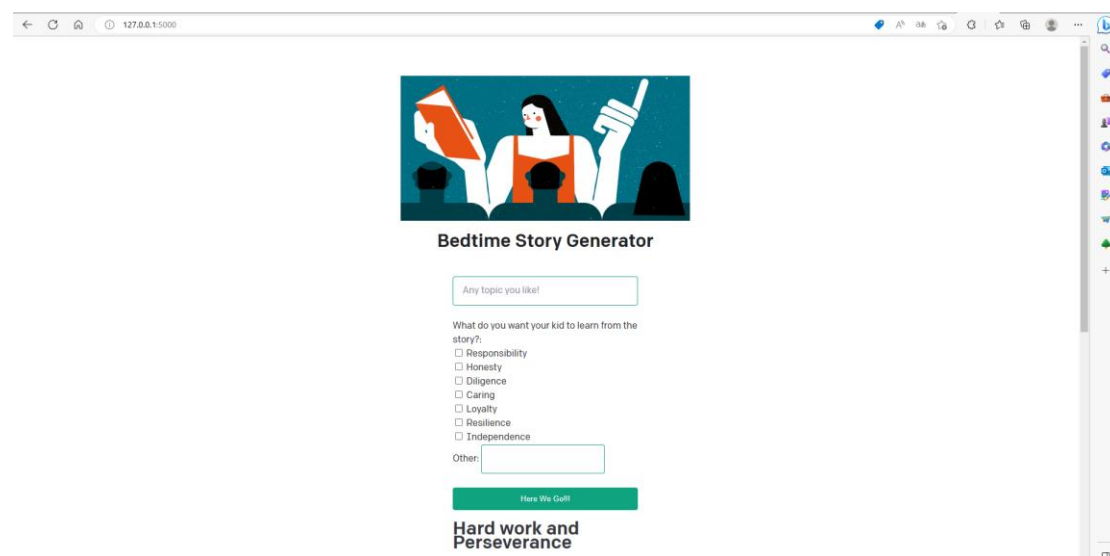
Flask

Use $flask run to get a website, connect to it.

```
○ (.venv) PS C:\Users\Tiancheng He\Desktop\SI568\Openai-GPT3-story-generator> flask run
  * Serving Flask app 'app' (lazy loading)
  * Environment: development
  * Debug mode: on
  * Restarting with stat
  * Debugger is active!
  * Debugger PIN: 235-709-151
  * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
  127.0.0.1 - - [06/Apr/2023 03:08:38] "GET / HTTP/1.1" 200 -
  127.0.0.1 - - [06/Apr/2023 03:08:38] "GET /static/story_teller.gif HTTP/1.1" 304 -
  127.0.0.1 - - [06/Apr/2023 03:08:38] "GET /static/main.css HTTP/1.1" 304 -
  127.0.0.1 - - [06/Apr/2023 03:09:02] "POST / HTTP/1.1" 200 -
```

Use the http://127.0.0.1:5000/ to connect to the website interface:
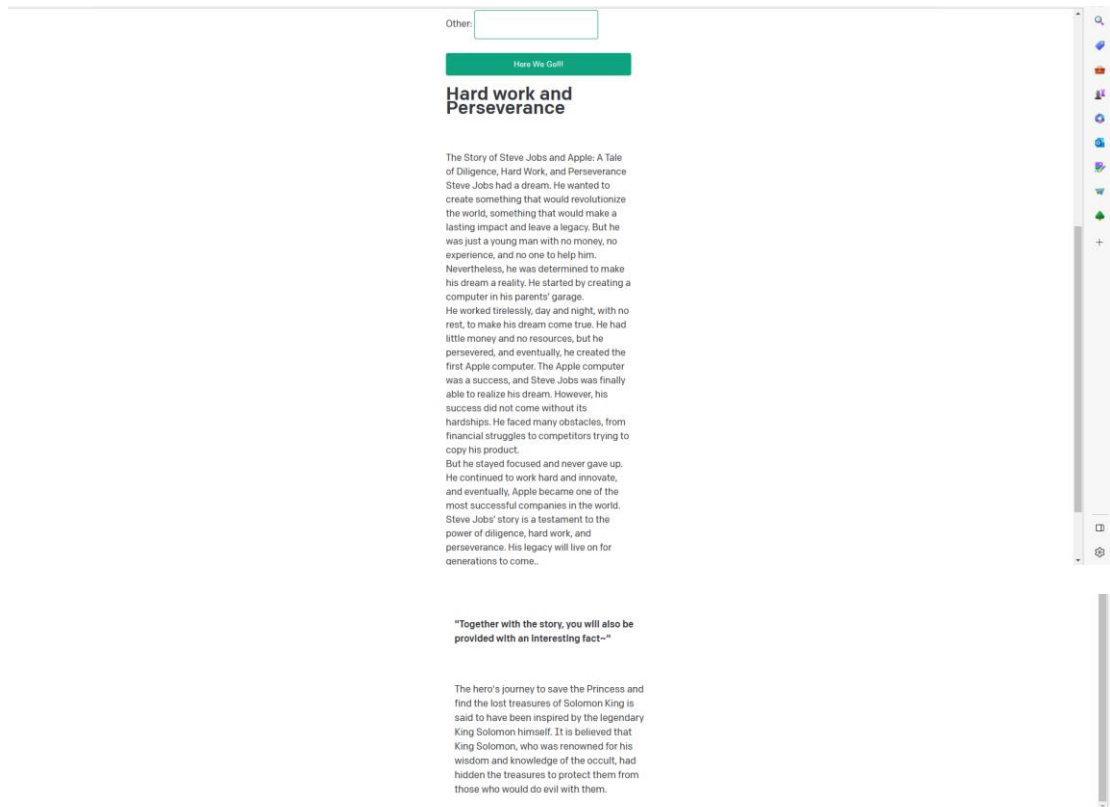
When the story is finished, user can just type another story idea, click another checkbox and generate again!

Citing

I generated some ideas from "astro-satyam75" on github.