

Introduction:

Our GitHub repository has a lot of different files that are all crucial for our choose-your-own-adventure game to run. In this document, we will explain the significance of each file and how each one should be interacted with.

Repository Files:

choose_adventure.py

- This is our core skeleton for our game. Within this python script, we have all of our building blocks for establishing class elements and reading other files in the repository. We have imported PANDAS, JSON, etc. in order to interpret other files
- NOTE: when reading the text file (*adventure.txt*) both the text file and the python file must be located in the same directory. Failure to have both in the same directory may result in the code being unable to run. If for any reason the file may not run (although this should not happen), include the full path to the file *adventure.txt* in the if `__name__ == '__main__'` function.

adventure.txt

- This file is by default a text file, but it is interpreted as a JSON. Within this file, we created a dictionary with information regarding story choice branches, point values, and story prompts. This file is read through the variable "filename" in main, established by name in if `__name__ == '__main__'`.

game_script.csv

- This file is in .csv format, and it contains the point values for each story option. These point values will always remain the same, so we have PANDAS interpret the csv into dataframes so that we can sort the info.

game_points.csv

- This file is in .csv format, and it contains the raw point values. Much like with game_script, PANDAS interprets this csv data. However, this file in particular is so that we can visually plot the data

Running choose_adventure.py From Command Line

At the command line, the user will be prompted with directions. As long as the user follows the command line prompts, with proper punctuation as displayed, the file should run. All files should be opened within the same folder when during the python file. In other words, all of the files provided should be located in the same directory. REMINDER: all responses are case sensitive.

Project Work Credits:

For our project, we tried as best as possible to split up our work evenly. Here's each person's specific work.

- Justin Jacobs:
 - main() function
 - with statement
 - List comprehension
- Abel Nega:
 - Class Player
 - Super()
 - main() conditional expressions
- Christian Ayala:
 - Good_points
 - Data filtering
 - Get_points
 - F- strings
- Akash Mathur:
 - __repr__() method
 - Magic method
 - parse_args() function
 - Argument Parser class
- Aelina Pogolian:
 - Points_graph
 - Data visualization
 - adventure.txt
 - JSON formatting