Documentation:
An explanation of the purpose of each file in your repository.
Item_List.txt - This file holds the different random items that generate on the map that either make a player go faster(the player who received the item) or make a different player go slower (The player the item got thrown at).

Clear instructions on **how to run your program from the command line**. You do not need to explain how to run the program on Windows and on MacOS; just pick one. If your program takes command-line arguments, please document the command-line interface (which arguments are required? which are optional, if any? what data types are you looking for? are there a specific format for data files? etc.)

Instructions how to play:
Type in “python finalpython.py name1 name 2”
Required: python(need this to run in python), finalpython.py(file name), name1(at least one player is required)
Not required: multiple players
Data types: Looking for strings even if name is “name1” it is taken as a string

Clear instructions on **how to use your program** and/or interpret the output of the program. Anything the user might encounter while using your program that a random person on the street would not find self-explanatory needs to be explained in your instructions.

Type in “python finalpython.py name1 name 2”, it will prompt you with “Choose a map:
1. Beach — 30 seconds
2. Ice Kingdom — 60 seconds
3. Mall — 90 seconds
4. Desert Drift — 45 seconds
5. Jungle Run — 75 seconds
Enter the number of your map choice (1-5):” all you do is input a number 1, 2, 3, 4, or 5
Then it will say: You selected Beach (30 seconds)
Map selected: Beach --- Race length: 30 seconds
And the game will start
3, 2, 1... START!
Time: 0 seconds
Time: 1 seconds
At some point it will give a random player an item like this:
Player 1player received the Mushroom (boost)!
1player, would you like to use your Mushroom (boost)?
All you have to do is type yes or no, if you type yes:
1player used Mushroom and sped up by 3 points!
Time: 9 seconds

It will then hit a random other player or tell you that there are no other players to hit. If you type no it will save that random object for later. It will keep generating random items until the game is over, then it will prompt:

```
   Player  Time Completed
0  1player       30.27428
Winner: 1player with a time of 30.27!
```

The end!

NINTENDO MARIO KART An annotated bibliography of all sources you used to develop your project, including sources of data, sources of background information about your project topic, and sources about Python programming that informed specific aspects of your code. For each source, explain how you used the source. You do not need to cite any INST 326 course materials.

We used Nintendo's game, Mario Kart, to create our version of the game in python. We used these websites to create our own boosts and obstacles in the game. We also used these websites for map ideas in the game that users can choose from.
Incase links don't work in bibliography:
https://www.nintendo.com/sg/switch/aabp/course/index.html
https://www.nintendo.com/sg/switch/aabp/item/index.html

References

*Mario Kart 8 Deluxe*. (n.d.-a). Nintendo Official Website (Singapore). Retrieved May 13, 2025, from https://www.nintendo.com/sg/switch/aabp/course/index.html

*Mario Kart 8 Deluxe*. (n.d.-b). Nintendo Official Website (Singapore). Retrieved May 13, 2025, from https://www.nintendo.com/sg/switch/aabp/item/index.html

Attribution: in order to evaluate whether each member has made a substantial, original contribution to the project, please provide a table like the one below, with a separate row for each method or function.
Commit id - a94be9024a7267c0a34a9dfa26b655a6db7bd704
https://github.com/ezgash04/326Proj

| | Method/function | Primary author | Techniques demonstrated |
|---|---|---|---|
| 1 | Function_throw_item | Rena Drabovsky | Comprehensions or generator expressions |
| 2 | random_item | Rena Drabovsky | Fstrings containing |

| | | | |
|---|---|---|---|
| | | | expressions |
| 1 | generate_event | Danu | Conditional Expressions |
| 2 | generate_map | Danu | Optional parameters |
| 1 | update_ranking | Ezra | concatenating, merging, filtering, or groupby() operations on Pandas DataFrames |
| 2 | __main__ | Ezra | Argument Parser |
| 1 | Items | Sif | With statements |
| 2 | __str__ | Sif | Magic methods |