Final Project:

Run For It

Madison Pease, Maria Gomes Master, Lily Dinh, Ashley Kharbanda, Beza Ermias

College of Information Studies, University of Maryland, College Park

INST 326: Object-Oriented Programming for Information Science

Prof. Aric Bills

Due: 05/11/2023

Explanation of each file in the repository:

1. players_highest_score.txt
    a. Text file that contains past player's names and scores.
2. README.pdf
    a. An implementation of the dice game Run For It.
    b. Language: Python
3. run_for_it.py
    a. Original Python script for the game.

Instructions for the command line:

The game takes two player names in the command line, but they are both optional parameters. The default names are "player1" and "player2". If you choose to use the default names you would simply run the file like this in the command line:

- python run_for_it.py

If you choose to input different player names, there are two ways to do so using short and long flags.

The short flags are "-p1" and "-p2" and this is how you would type in the command line:

- Python run_for_it.py -p1 NAME1 -p2 NAME2

The long flags are "--player1_name" and "--player2_name" and this is how you would type in the command line:

- Python run_for_it.py --player1_name NAME1 --player2_name NAME2

Annotated Bibliography

Ball, Mark. "RUN for IT." Game Rules, gamerules.com/rules/run-for-it/. Accessed 28 Mar. 2023.

This is where we got the premise of the game. Here we learned the main rules and conditions of how the game would be run if it was a physical game. We took inspiration from these rules and implemented most of these rules into our code.

Contributions

Method/Function	**Primary author**	**Techniques demonstrated**
sorting_sequence	Maria Gomes Master	Sequence unpacking
parse_args	Maria Gomes Master	ArgumentParser class
turn	Madison Pease	Set operations
add_player (Player & Game classes)	Madison Pease	Composition of two custom classes
sabotagaing_points	Beza Ermias	Conditional Expressions
history_score	Beza Ermias	Visualizing data with pyplot or seaborn
__lt__ __str__	Lily Dinh	Magic methods
read_scores, update_scores	Lily Dinh	With statements
welcome	Ashley Kharbanda	f-strings
main	Ashley Kharbanda	Optional parameters