

Test Plan

Test Number	Purpose Of Test	Test Data	Expected Result
1	Checking to see whether the program will start correctly	Start-up of the program	The program should start as intended the user should be greeted with a menu
2	Inputting data that beats the current records	Normal Data	The program should print out to the user that one of the inputted values beats the current and appropriate record(s).
3	Inputting data that is outside the 1 – 5 range on the menu system	Abnormal Data	The program should print out an error and ask the user to input between 1 – 5.
4	Attempting to sort one of the arrays whilst it is empty or holding 1 – 3 values.	Sorting an empty array or an array under a specified value	The program should not allow this by printing out an error message to the user saying that the current array is empty, or that the array does not meet the requirements to be sorted.
5	Attempting to print out an empty array (viewing the athlete list)	Printing out an empty array	The program should error and output to the user that there is not enough data to print.
6	Attempting to input alphabetical characters for the time of the athlete	Extreme Data	The program should error and ask the user to input just a float at 2 decimal places and not a string.
7	Inputting a time that is not appropriate	Abnormal / Extreme Data	The program should error and ask the user to input a more valid time for the athlete.
8	Making sure that quitting the application works properly	Quitting the application	The application should close as intended and not be left behind on minimized in task manager.

Test Table

Test Number	Purpose Of Test	Test Data	Expected Result	Actual Result	Comments
1	Checking to see whether the program will start correctly	Start-up of the program	The program should start as intended the user should be greeted with a menu		
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8	Making sure that quitting the application works properly	Quitting the application	The application should close as intended and not be left behind on minimized in task manager.		