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| **Test Number** | **Purpose Of Test** | **Test Data** | **Expected Result** |
| ***1*** | Checking to see whether the program will start correctly  ***Test Plan*** | 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. |

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| **Test Number**  ***Test Table*** | **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 |  |  |
| ***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. |  |  |