Program Test Data Sheet

Program Name: Random Number Reader/Writer Developer Name: Mikael Taylor Date Tested: 2/26/16

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| **Test Run** | **User Input**  Ex. Weight = 140 | **Desk Check Results**  Calculate by hand and record results | **Program Executed Results**  Run program and record how program executed, include modifications needed, if any |
| **Test 1 – Using Valid Data**  Use valid data | 53 | Generate 53 random numbers  On Save, write numbers to text file. On Open File, display generated numbers in listbox | 53 random numbers have been generated and saved to a file after I chose the name of the file. Open File click offers choice of file to be opened, and displays the generated numbers. |
| **Test 2 – Incorrect data types**  Use a different data type than expected, ex. B for a number | (blank) | Should shoot an error message | Prompts for valid, non-negative whole quantityr. |
| **Test 3 – Out of range data values**  Use values outside of the expected range. If range is 0-10, then use a -9 or 12 | -10 | Should shoot an error message | Keypress validation does not allow negative numbers, prompts for valid, non-negative whole number. Range check also kept the guess count the same. |
| **Test 4 – User defined test**  Create your own test data and record the results | 3 | Should generated 3 random numbers, save the file when choice of file name is picked, and open/display the numbers when file is picked. | Generated 3 random numbers, wrote it into a new file of my choice, and opened file to display results when I chose to open the file. |
| **Test 5 – User defined test**  Create your own test data and record the results | 0 | Should shoot an error message. | Prompted for valid data. |