

**Test Report Template**

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Program: 3B

Instructor: Dr. Concepcion

Number: 5

Language: C++

<b>Test Name/Number</b>	1
<b>Test Objective</b>	To determine if invalid entries on the main menu screen will cause the program to crash or to produce unexpected results.
<b>Test Description</b>	1. Enter a letter when a number is required 2. Enter a number outside the accepted range of 0 to 3 3. Enter multiple characters 4. Enter multiple characters starting with an accepted digit
<b>Test Conditions</b>	
<b>Expected Results</b>	The expected results will say "Invalid Choice, Try Again" for test conditions 1,2, and 3 above. When test case 4 is ran, it will read the first valid accepted digit, in this case a 1, and proceed to the appropriate menu choice for a 1.
<b>Actual Results</b>	The actual results matched the expected results. "Invalid Choice, Try Again" was displayed for test conditions 1 to 3 and a valid choice was accepted for test condition 4. See output example for test 1.

<b>Test Name/Number</b>	2
<b>Test Objective</b>	To determine if in write mode, will invalid entries cause the program to crash or have unexpected results.
<b>Test Description</b>	1. Enter write mode 2. Name File 3. Enter a letter for amount of numbers to write. 4. Enter a negative number for amount of numbers to write. 5. Enter a valid number 6. Enter a letter for the first number 7. Enter a string of letters for the first number. 8. Enter a valid number
<b>Test Conditions</b>	
<b>Expected Results</b>	The expected results will say "Invalid Number, Try Again" when entering the amount of numbers to write on items 3 and 4 above. Item 5 will succeed and it will now ask for the 1st number. Items 6 and 7 will fail above with the following message, "Invalid Value, Try Again". It will succeed when item 8 above is ran.
<b>Actual Results</b>	The actual results matched the expected results. "Invalid Number, Try Again" was displayed when it was supposed to. "Invalid Value, Try Again" was displayed when it was supposed to. The entry succeeded when it was valid.

<b>Test Name/Number</b>	3
<b>Test Objective</b>	To determine if invalid entries on the modify menu screen will cause the program to crash or produce unexpected results.
<b>Test Description</b>	1. Enter modify mode 2. Enter file name to modify 3. Enter a letter for the menu choice 4. Enter a string of letters for the menu choice 5. Enter a number outside of the accepted range of 1 to 5 6. Enter a valid number and will proceed to next number
<b>Test Conditions</b>	
<b>Expected Results</b>	The expected results will say "Invalid Choice, Try Again" for items 3, 4, and 5 above. Items 1, 2, and 6 will work correctly and proceed.
<b>Actual Results</b>	The actual results matched the expected results. "Invalid Choice, Try Again" was displayed when it was supposed to and prevented invalid entries.