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SE 320 Assignment 1

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Evaluation of Test Cases

My test cases did not reveal any new bugs. The program was able to handle incorrect/unexpected user input and maintain functionality. When the user entered invalid input for the number of questions, the program notified them that what they entered was not a number and asked them to re-enter the number of questions. When the user entered an invalid file name, the program notified the user that the file does not exist and returned them to the main menu. When the user entered a main menu command that did not exist or entered something that was not a number, the program notified them and asked them to re-enter a command number.

I believe that test-to-fail test cases (cases 5, 6, 7, 8) are more important than the test-to-pass test cases (1, 2, 3, 4). These show that the program is able to handle invalid input correctly from the user, and not throw an error or exception.

While I believe that the program has been tested enough to prove that it can handle incorrect input, as well as correct input, I do not believe that I've adequately tested the program. Other things that could be tested is saving a giant test file (as in hundreds and hundreds of lines of questions and answers) to see that it's possible to save, as well as possible to load a giant test. I also did not test to see how big of a file name the user could input, and if there is a limit to how many characters can be in a file name that is saved or loaded.