Test Cases – Andrew Ha

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| Test Case | Procedure | Expected Result |
| FILE VALIDATION TEST CASES | | |
| File is missing | Missing File | Program will notify user and then force close |
| File is present | Present File | Program will load as normal and start loading in questions |
| Fill In The Blank Question has the correct char and correct format for its answer. | F, The winner is \_Any One\_. | Passes file validation, loads file, etc. |
| FIB is missing the first underscore for the answer | F, The loser is you\_. | Fails file validation, program won’t load |
| FIB is missing the second underscore for the answer | F, The best swimmer is \_Lance Armstrong. | Fails file validation |
| FIB is has no underscores to indicate the answer | F, The Brazilian soccer team won gold. | Fails file validation |
| FIB has multiple underscores | F, \_North\_\_Korea\_ is best Korea | Fails file validation |
| FIB only has answer present | F, \_North Korea\_ | Fails file validation |
| Numeric Question has the correct char and correct format for its answer | N, How fast did Usain Bolt run?, 9.81 | Passes file validation, loads file, etc. |
| NQ has multiple commas | N, Our, home ?, 219, | Fails file validation |
| NQ has multiple numbers for an answer | N, Our home?, 219 221 217 | Fails file validation |
| NQ has multiple numbers and multiple commas | N, Computer Science program code?, 420, 421,422 | Fails file validation |
| NQ is missing a number | N, How many medals did Zimbabwe win?, | Fails file validation |
| NQ is missing a comma | N, How many medals did Zimbabwe win? 0 | Fails file validation |
| NQ is missing the question | , 0 | Fails file validation |
| The variable after the comma is a real number. | N, How many medals did Zimbabwe win?, O | Fails file validation |
| Single Question has the correct char and correct format for its question/answer | What Country won the most number of gold medals at the Olympics?, 3, My Country, correct, Other Country, incorrect, Other Country, Incorrect | Passes file validation loads file, etc. |
| Single Question is missing an option | Which country won life?, 2, incorrect, GB, correct | Fails file validation |
| SQ is missing a correct/incorrect option | Which country invaded Poland?, 2, Germany, Poland, incorrect | Fails file validation |
| SQ has all incorrect for answers | Which country invaded?, 1, Canada, incorrect | Fails file validation |
| SQ is missing the integer | Which country is the best? North Korea, correct, South Korea, incorrect | Fails file validation |
| SQ’s integer is greater than the actual pairs that are present | Which country is the best? 5, North Korea, correct | Fails file validation |
| SQ’s integer is less than the actual pairs that are present | Which country is the worst? 1, America, incorrect, China, incorrect, All countries are good, correct | Fails file validation |
| SQ’s integer is not really an integer | Which browser is good? LOL, Chrome, Incorrect | Fails file validation |
| SQ has a missing comma that separates the options from the correct/incorrectness. | Which browser is bad?, 5, Internet Explorer correct, Safari incorrect | Fails file validation |
| SQ has is missing comma that separates the different answers | What number is the question?, 2, anum, correct somenum, incorrect | Fails file validation |
| Multiple choice Question has all the correct parameters | M, Which country is best?, 3, NoOne, correct, All, correct, none, incorrect? | Passes file validation and will start the quiz. |
| Multiple choice Question only has 1 correct parameter | M, What comes after 1?, 4, 2,correct, 4, incorrect, 10, incorrect, 15, incorrect | Fails file validation |
| MCQ is missing an option | Which country is the best?, 3, incorrect, GB, correct, LOL, incorrect | Fails file validation |
| MCQ is missing a correct/incorrect option | Which state is in USA?, 3, California, New York, correct, Nevada, correct | Fails file validation |
| MCQ has all incorrect for answers | Which state is in Canada?, 2, New York, incorrect, California, incorrect | Fails file validation |
| MCQ is missing the integer | Which country is the best? North Korea, correct, South Korea, correct | Fails file validation |
| MCQ’s integer is greater than the actual pairs that are present | Which country is the worst? 5, America, correct, China, correct, All countries are good, correct | Fails file validation |
| MCQ’s integer is less than the actual pairs that are present | Which country is the worst? -5, America, correct, China, correct, All countries are good, correct | Fails file validation |
| MCQ’s integer is not really an integer | Which country is the worst? Wassup, America, correct, China, correct, All countries are good, correct | Fails file validation |
| MCQ has a missing comma that separates the options from the correct/incorrectness. | Which country is the worst? 3, America correct, China correct, All countries are good correct | Fails file validation |
| MCQ has a missing comma that separates the different answers | Which country is the worst?, 3, America, correct China, correct All countries are good, correct | Fails file validation |
| CQ/MCQ has incorrect as one of the questions | What is another word for wrong?, 3, incorrect, correct, incorrect, incorrect, incorrect, incorrect | Passes file validation |
| CQ/MCQ doesn’t have incorrect/correct to validate the answer | How do you make me mad?, 3, Make me do test cases, seriously, I really don’t like doing test cases, by the way, Im running out of things, to write :P | Fails file validation |
| The char that determines the question is not F/N/S/M | J, How many medals did Zimbabwe win? 0 | Fails file validation |
| The char is missing | How many medals did Zimbabwe win? 0 | Fails file validation |
| USER INPUT | | |
| NQ – Enters in a number that is the exact amount as the answer | Answer is 5, user inputs 5. | Answer is correct |
| NQ – Enters in a number that is 0.01 less as the answer | Answer is 10, user input 9.99 | Answer is correct |
| NQ – Enters in a number that is the 0.01 more than the answer | Answer is 10, user input is 10.01 | Answer is correct |
| NQ – Enters in a number that is greater than the answer | Answer is 10, user input is 10.02 | Answer is incorrect |
| NQ – Enters in a number that is less than the answer | Answer is 10, user input is 9.98 | Answer is incorrect |
| NQ – Enters in a negative number | Answer is 150, user input is -59 | Answer is incorrect |
| NQ – Enters a non-number | Answer is 12, user input is twelve | Answer is incorrect |
| NQ- Enters in a number followed by a String | Answer is 1500, user enters in 1500m | Answer is incorrect |
| FIB – User enters in a blank answer | Answer is “Dog”, user enters “” | Answer is incorrect |
| FIB – User enters in the correct answer for the blank answer | Answer is “Cat”, user enters “Cat” | Answer is correct |
| FIB – User enters in the correct answer all lower case | Answer is “Maxwell”, user enters in Maxwell | Answer is correct |
| FIB- User enters in the correct answer all upper case | Answer is “Maxwell”, user enters “MAXWELL” | Answer is correct |
| FIB – User enters in the correct answer in mixed cases | Answer is “Pepsi” user enters “pEpSi” | Answer is correct |
| FIB - User enters spaces for their answer | Answer is “Tucboiii”, user enters in “ ” | Answer is incorrect |
| FIB - User enters in the wrong answer | Answer is “Canada” user enters in “Cbawjkdgvjwada” | Answer is incorrect |
| CQ – User enters the correct answer | Answer is 1, user enters in 1 | Answer is correct |
| CQ – user enters the incorrect answer | Answer is 1, user enters in 3 | Answer is incorrect |
| CQ – User enters in a non-number as an answer | Answer is 5, user enters in dawda | Answer is incorrect |
| CQ – User enters in a blank answer | Answer is 10, user enters in “ “ | Answer is incorrect |
| CQ – User enters multiple numbers | Answer is 4, user enters in “5, 3” | Answer is incorrect |
| MCQ – User enters in the correct answer | Answer is “1,2,3”, user enters in 1,2,3 | Answer is correct |
| MCQ – User enters in the correct answer except there is extra spaces between the commas | Answer is “1,2,3”, user enters in “1, 2, 3” | Answer is correct |
| MCQ – User enters an incorrect answer | Answer is “3,2,1”, user enters in “3,2” | Answer is incorrect |
| MCQ – User enters the answer correctly but in another order | Answer is “3,2,1” user enters in “1,2,3” | Answer is correct |
| MCQ - User enters the answer without any commas | Answer is 1,5,9, user enters in 1 5 9 | Answer is incorrect |
| MCQ – User enters only one choice that is correct | Answer is “1,5,8”, user enters 5 | Answer is incorrect |
| MCQ – User enters only choice | Answer is “2,5,4”, User enters 9 | Answer is incorrect |
| MCQ - User enters in a blank answer | Answer is “2,7,8”, User enters “ “ | Answer is incorrect |
| MCQ – User enters in an answer that is partly a String | Answer is “5,3,1”, User enters in “1, wadwadawda” | Answer is incorrect |
| MCQ – User enters in an answer using a non-comma as a delimiter | Answer is “1,2,3”, User enters in “1.2.3” | Answer is incorrect |
| FILE WRITING TEST CASES | | |
| File is missing | File is missing | Will create a file called quizScores.txt and write to that file |
| File is present | File is present | Will write to and not overwrite to quizScores.txt |
| User closes program before the quiz is over and the score is written | User closes program | Score will not be written to text file |
| User gets all questions wrong | User has 0/10 correct | Will write to file, with user’s name and the score is zero |
| User gets all questions right | User has 10/10 correct | Will write to file, with user’s name and the score is 100% |
| User gets a mixed amount of correct and incorrect answers | User has 7/10 correct | Will write to file, with user’s name and the score is 70% |