

Project 2 Black Box Test Plan

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Introduction

There are 3 test cases below, each of which test all of the button functionality. Throughout all of the test cases, the tester is expected to watch the buttons and text to make sure it is displayed correctly. As the project description provides limited detail on button behavior, the following button behavior was implemented and is expected:

- The user should not be able to click “next question” unless they have already used all of their attempts for the given question
- The user should not be able to click “submit answer” unless they have selected one of the answer choices
- If a user submits an incorrect answer, they should not be able to submit the same answer again

The file used for the test cases is “test.xml”. It contains 9 questions; 3 from each category. Each question title contains the question’s difficulty and the correct answer, to make testing easier. For example, “Easy Question 1 (Pick A)” is the first elementary question in the file. This file can be loaded with the file loading window from starting the program, or from a command line argument passed into the program.

Test ID	Description	Expected Results	Actual Results
Answer every question	In order to ensure that the buttons and text are behaving as specified, submit the answers below. In order to answer every question, the following sequence of answers should be provided: “2,2,3,2,3,1,2,3,1,2,3”	Standard Question Easy Question, then hint 2 more easy questions (right) 2 standard question (right) 3 hard questions (right) “answered 8 questions correctly out of 10 attempts”	Exactly what was expected.
Quit before answering any questions	Start up the program, then quit immediately.	“Answer 0 questions correctly out of 0”	Exactly what was expected.
Get all easy questions wrong	Ensure that the hint system works correctly by getting all of the easy test questions wrong. To do this, the following sequence of answers should be provided: “2,2,3,1,3,2,4”	Standard question(wrong) 3 Easy questions (each with its own distinctive hint) “Answer 0 questions out of 4 correctly”	Exactly what was expected.

Document Revision History

Date	Author	Change Description
7/25/2015	dcbrewer	• Created document