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Test Report

Multiple Choice Box Handler Test

Document Control

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Test Report

1.0 Test of Multiple Choice Handler

1.0.0 Summary of testing

This test aims to verify the functionality of the multiple choice handler. This handler is used to produce multiple choice answer sets in various formats which the user can interact with. All formats provide a mark button for instant feedback on whether the answer(s) selected by the user are correct. The different formats are checkbox, which allows multiple answers to be selected, radio button, which allows only a single selected answer, and drop-down list which also only allows a single answer, but is more compact. The handler also supports both vertical and horizontal orientations for all formats.

1.0.1 Prerequisites
- The multiple choice handler.
- A test GUI.

1.0.2 Test importance

High. Multiple choice questions are a key required feature of Learn Easy. Correct functionality is important to the finished program.

1.0.3 Test results

Test Case	Expected Results	Obtained Results
Handler can create and display 'Checkbox' multiple choice questions both horizontally and vertically	The multiple choice options appear on screen with the correct answers in the correct order in the correct orientation.	Passed
Handler can create and display 'Radio Button' multiple choice questions both horizontally and vertically	The multiple choice options appear on screen with the correct answers in the correct order in the correct orientation.	Passed
Handler can create and display 'Drop down list' multiple choice questions	The multiple choice options appear on screen with the correct answers in the correct order.	Passed
Any number of checkbox answers can be selected	Answers can be ticked and unticked by clicking.	Passed
One radio button answer can be selected	Clicking a radio button selects that option and removes the selection of any previously selected button.	Passed
An option can be selected from the dropdown list	Selecting an option from the dropdown replaces the current selection with that	Passed

	option.	
Checkboxes verify correctly	The answer is marked as correct if all the correct options are ticked, and none of the incorrect ones are ticked when the mark button is pressed.	Passed
Radio buttons verify correctly	The answer is marked as correct if the answer selected is correct when the mark button is pressed.	Passed
Dropdown list verifies correctly	The answer is marked as correct if the selected item is correct when the mark button is pressed.	Passed
Retry functionality	For all formats the options are disabled if the question is set to retry false and the answer is marked as incorrect. If retry is set true, options are not disabled.	Passed
Disable after correct answer	For all formats the options are disabled once the answer is marked as correct.	Passed
Handler can position all types of multiple choice options correctly	The multiple choice options appear at the location specified in the 'create' method call	Passed

1.0.4 Changes made due to test
n/a

1.0.5 Additional comments on test
Functionality is correct. Will need further testing once progress tracking is implemented in iteration 3.