

Test Cases

Test Suite ID	TS001
Test Case ID	TC001
Test Case Summary	To verify that a connector is correct and can change forms.
Related User Story	US-1.1
Prerequisites	None
Test Script / Procedure	<ol style="list-style-type: none"> 1. Open the logical connector framework. 2. Ensure that the shape of the connector has space for statements on the left and right, with a connector word shown in the middle. 3. Check that a link word/icon is displayed for each connector. 4. Interact with the framework by clicking and selecting a different connector word.
Test Data	None (connector keywords are predefined in the application)
Expected Result	<ol style="list-style-type: none"> 1. The framework has space for statements on the left and right, with a connector word shown in the middle. 2. Each connector has a link word/icon displayed. 3. The connecting word changes to the selected one with the correct syntax.
Actual Result	
Status	
Remarks	
Created By	Yilin Li
Date of Creation	28/04/2023
Executed By	
Date of Execution	
Test Environment	

Test Suite ID	TS002
Test Case ID	TC002
Test Case Summary	To verify that statements are displayed correctly.
Related User Story	US1.2
Prerequisites	The content of the question file is available.
Test Script / Procedure	<ol style="list-style-type: none"> 1. Load a question file. 2. Check that all statements are displayed. 3. Check that the displayed statement has the correct content and type. 4. Check that the number of displayed statements matches the number of statements in the question file.
Test Data	Statement data stored in question files.
Expected Result	<ol style="list-style-type: none"> 1. The number of statements that are displayed matches the number defined in the file. 2. The type and content of each statement is correct.
Actual Result	Same as the expected result.
Status	Pass
Remarks	-
Created By	Xuemin Liu
Date of Creation	04/14/2023
Executed By	Xuemin Liu
Date of Execution	04/27/2023
Test Environment	OS: Windows 10 Browser: Chrome 112.0.5615.138

Test Suite ID	TS003
Test Case ID	TC003
Test Case Summary	To verify the drag and drop function of the statements.
Related User Story	US1.3
Prerequisites	1. The question file is available for the application. 2. US1.1 is complete. 3. US1.2 is complete.
Test Script / Procedure	1. Drag a connector onto the workspace. 2. Drag a statement onto one side of the connector. 3. Drag another connector onto the other side of the connector. 4. Fill the two sides of this connector with different statements. 5. Drag a connector on top of the (currently filled) connectors. 6. Drag a connector to the side of the series of connectors, extending the structure.
Test Data	All "Statement" type data in the question file.
Expected Result	1. After dragging a connector onto the workspace, the connector should appear in the workspace. 2. Dragging the statement onto an empty side of the connector should place the statement inside the connector. 3. Dragging a connector onto the empty side of the connector should place the connector inside the connector. 4. Dragging more statements into the nested connector should place the statement inside. 5. Dragging another connector on top of the currently filled connectors will extend the tree towards the right. 6. Dragging another connector onto empty space also extends the worked solution towards the right.
Actual Result	Same as the expected result.
Status	Pass
Remarks	-
Created By	Xuemin Liu
Date of Creation	04/27/2023
Executed By	Xuemin Liu
Date of Execution	04/28/2023
Test Environment	OS: Windows 10 Browser: Chrome 112.0.5615.138

Test Suite ID	TS004
Test Case ID	TC004
Test Case Summary	Verify that the contents in the workspace have a correct worded output.
Related User Story	US-1.4
Prerequisites	1. US-1.1 is complete 2. US-1.2 is complete 3. US-1.3 is complete.
Test Script / Procedure	1. Open the application. 2. Drag a "because" connector onto the workspace. 3. Drag the "only men get hemophilia" statement onto the left-hand side of the connector. 4. Drag a "so" connector on the right-hand space of the "because" connector. 5. Drag "the FIX gene is on the X chromosome" statement on the left-hand side of "so". 6. Drag the "[] have []" statement on the right-hand side of "so". 7. Select "men" and "only one copy of the FIX gene" in the statement dragged in step 6.
Test Data	Hemophilia question file
Expected Result	Readouts at the following steps should be: 2 - [undefined] because [undefined] 3 - only men get hemophilia because [undefined] 4 - only men get hemophilia because [undefined] so [undefined] 5 - only men get hemophilia because the FIX gene is on the X chromosome so [undefined] 6 - only men get hemophilia because the FIX gene is on the X chromosome so [] have [] 7 - only men get hemophilia because the FIX gene is on the X chromosome so men have only one copy of the FIX gene
Actual Result	
Status	

Remarks	
Created By	Yilin Li
Date of Creation	29/04/2023
Executed By	
Date of Execution	
Test Environment	

Test Suite ID	TS005
Test Case ID	TC005
Test Case Summary	To verify the display of the question prompt
Related User Story	US2.2
Prerequisites	The question file has been requested and loaded from the server
Test Script / Procedure	Check the display of the question prompt
Test Data	-
Expected Result	1. The prompt is displayed in the Question Area. 2. The image inside the prompt is correctly loaded and displayed.
Actual Result	1. The prompt is displayed in the Question Area. 2. The image inside the prompt cannot be displayed.
Status	Fail
Remarks	We need to consult the client about the direct path of the image location in the given prompt HTML.
Created By	Xuemin Liu
Date of Creation	04/28/2023
Executed By	Xuemin Liu
Date of Execution	04/29/2023
Test Environment	OS: Windows 10 Browser: Chrome 112.0.5615.138

Test Suite ID	TS006
Test Case ID	TC006
Test Case Summary	To check whether the layout of the webpage is well constructed
Related User Story	US3.3
Prerequisites	The web app is opened
Test Script / Procedure	1. Compare the UI design of the webpage with the prototype. 2. Check the name of each section on the webpage
Test Data	-
Expected Result	1. The UI design is consistent with the design in the prototype. 2. Section naming is meaningful and easy to understand.
Actual Result	Same with the expected result
Status	Pass
Remarks	-
Created By	Xuemin Liu
Date of Creation	04/27/2023
Executed By	Xuemin Liu
Date of Execution	04/28/2023

Test Environment	OS: Windows 10 Browser: Chrome 112.0.5615.138
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