

TESTING DOCUMENTATION

Venn Diagram Application

Group 12

04/15/2020

Version 3.0.0

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1 TEST CASES

1.1 Test Cases

Test 1: This test is intended to test whether the launch itself is possible when a new vennDiagram object is created. This test is sufficient because if this test fails, all other tests that involve vennDiagram will fail as this is the benchmark even before the application has run.

Test 2: This test is intended to see if the method refresh works. This test is sufficient because JFrames and Panels needs to be refreshed in order for any visual changes to occur, such as making a text area visible or invisible.



Test 3: This test is intended to test the resortTextAreaList(new ArrayList<JPanel>()). This test is important and sufficient because this method allows for the creation of text areas to be possible when the text areas are being resized or has been resized, it orders the text Areas in an order that is both visually appealing and functional.

Test 4: This test is intended to test the method LowestTextArea(new ArrayList<JPanel>()). This is important because this would allow for the click to add text area function to occur. The program uses the return of this method as an anchor to where the new text area or where the next text area should be.

Test 5: This test is intended to test the method getWrappedLines(new JTextArea("Hello")). This method has the purpose of getting the number of wrapped lines in a text area, the return type of this method allows the program to resize the text area based on the length of the text area's string. This is important because it allows the feature of resizing text areas to be possible

2 TEST COVERAGE

2.1 Coverage Metrics

Element	Coverage	Covered Instructio...	Missed Instructions	Total Instructions
>  VennDiagram.java	 36.5 %	532	927	1,459

3 VERSION HISTORY

VERSION	REVISION DATE	DESCRIPTION OF CHANGE	AUTHOR
1.0.0	Jan 26 2020	1 st Version of Product	Group 12
1.1.0	Feb 9 2020	1 st Version of Prototype	Group 12
1.2.0	Feb 23 2020	2 nd Version of Prototype	Group 12
2.0.0	Mar 8 2020	Re-design and Functionality Upgrade	Group 12
2.0.1	Mar 22 2020	Bug Fixes	Group 12
3.0.0	Apr 15 2020	Final Version of Application	Group 12