**TESTING DOCUMENTATION**

**Venn Diagram Application**

**Group 12**

**04/15/2020**

**Version 3.0.0**

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# TEST CASES

## 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





**3 VERSION HISTORY**

| **VERSION** | **REVISION DATE** | **DESCRIPTION OF CHANGE** | **AUTHOR** |
| --- | --- | --- | --- |
| 1.0.0 | Jan 26 2020 | 1st Version of Product | Group 12 |
| 1.1.0 | Feb 9 2020 | 1st Version of Prototype | Group 12 |
| 1.2.0 | Feb 23 2020 | 2nd 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 |