**Lab: 2**

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| **Problem statement(s)**  **EX1:** Run and observe the program.  **EX2:** Add the action listener to the ‘Say Hi!’ button.  **EX3:** Add action listeners for each of the three buttons. |

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| **Program description(s)**  **EX1:** The buttons do nothing because they have no action listeners associated with them.  **EX2:** By looking at the generated class files Java seems to treat the anonymous classes as separate classes, as each of the anonymous files have had their own class file generated. The ‘Say Hi!’ button now prompts the user with a JOptionPane.  **EX3:** I’ve added action listeners to each of the buttons that change the size of the FilledFrame to small, medium and large with sizes 100, 200 and 400 respectively. |

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| **Test description**  Pressed each of the buttons multiple times in multiple orders to assure they behave correctly. |
| **Known bugs**  - |
| **Possible improvements**  Change the color of the FilledFrame. |
| **Comments**  A good introduction to action listeners and Java swing. |
| **Extra credit**  Added the ability to use a combo box to select the FilledFrame size. |
| **References**  <https://docs.oracle.com/javase/tutorial/uiswing/components/combobox.html> |