

Java Swing -1

A java UI library

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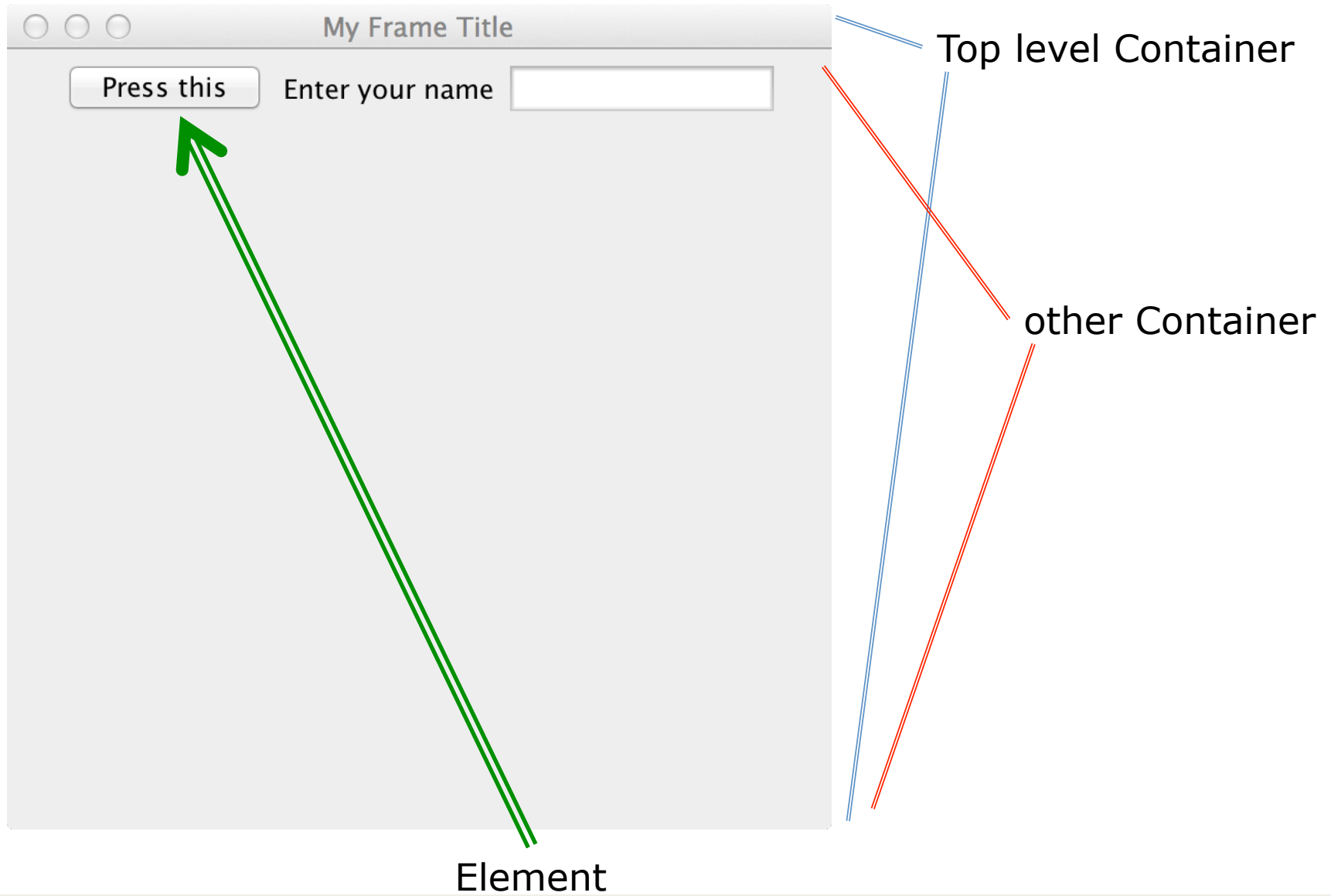
Topics

See tutorial at:

<http://docs.oracle.com/javase/tutorial/uiswing/>

- Top Level Containers
- JComponents
- Layouts

Top Level Containers



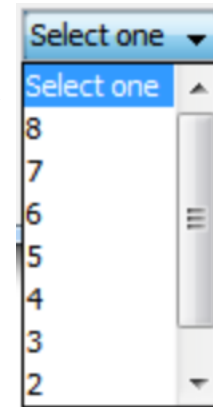
top level containers

- These are also called heavy weight containers
 - tied to operating system
 - everything in GUI will be inside a top level container
- In Java Swing, there are THREE types of top level containers
 - JFrame
 - JApplet (used to run a Java application on a remote client)
 - JDialog

JComponents

Basic JComponents

- JLabel
- JTextField, JFormattedTextField
- JPasswordField
- JButton
- JCheckBox
- JRadioButton
- JComboBox (a populated list to select from)
- JSpinner (up-down selection list)
- JSlider



JComponents that are containers

- JPanel (add)
- JScrollPane
- JSplitPane
- JTabbedPane

Other

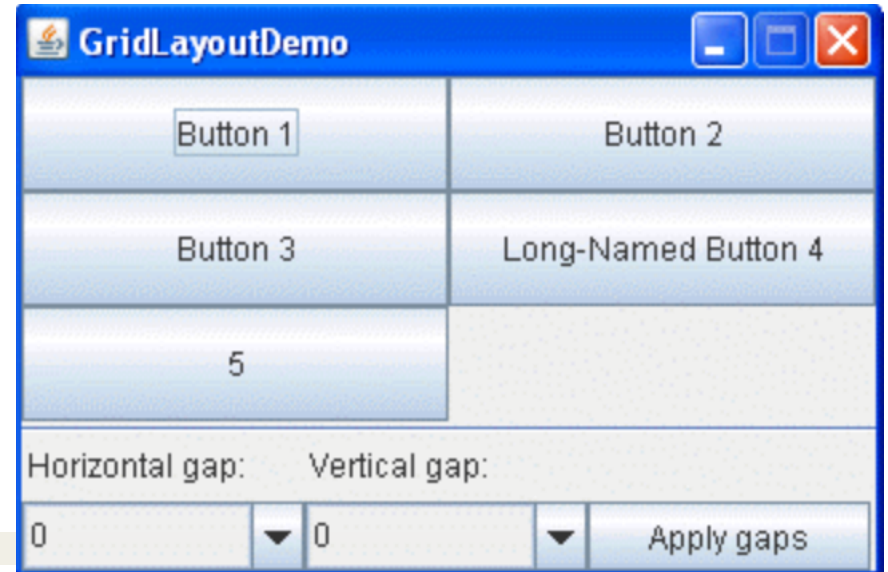
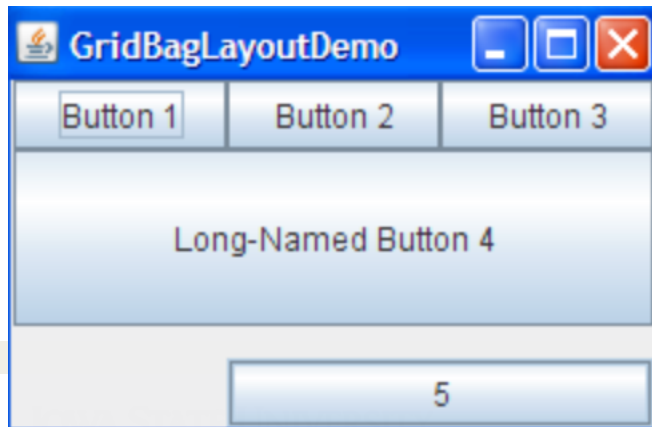
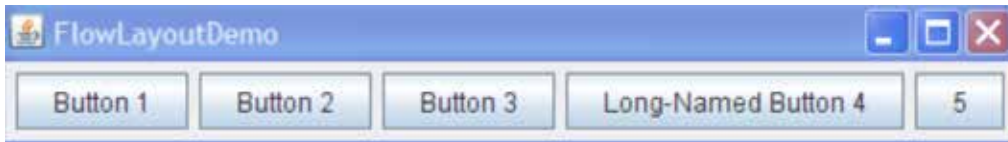
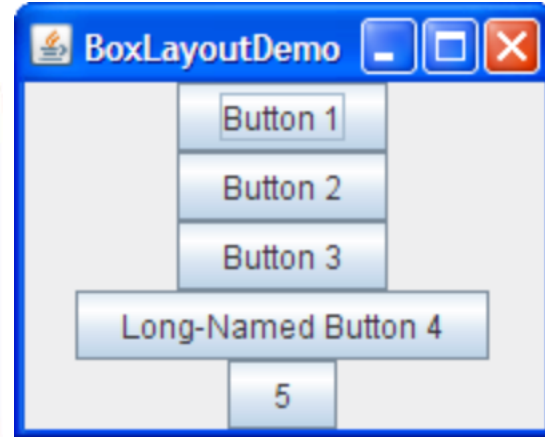
- Text
 - JTextArea
 - JEditorPane
 - JTextPane
- JColorChooser
- JFileChooser
- JProgressBar
- More Complex
 - JList
 - JTable
 - JTree

Layout

How to arrange elements in a container!

Layout Managers

- We will see examples shortly



Becoming the best.

width/height can be different