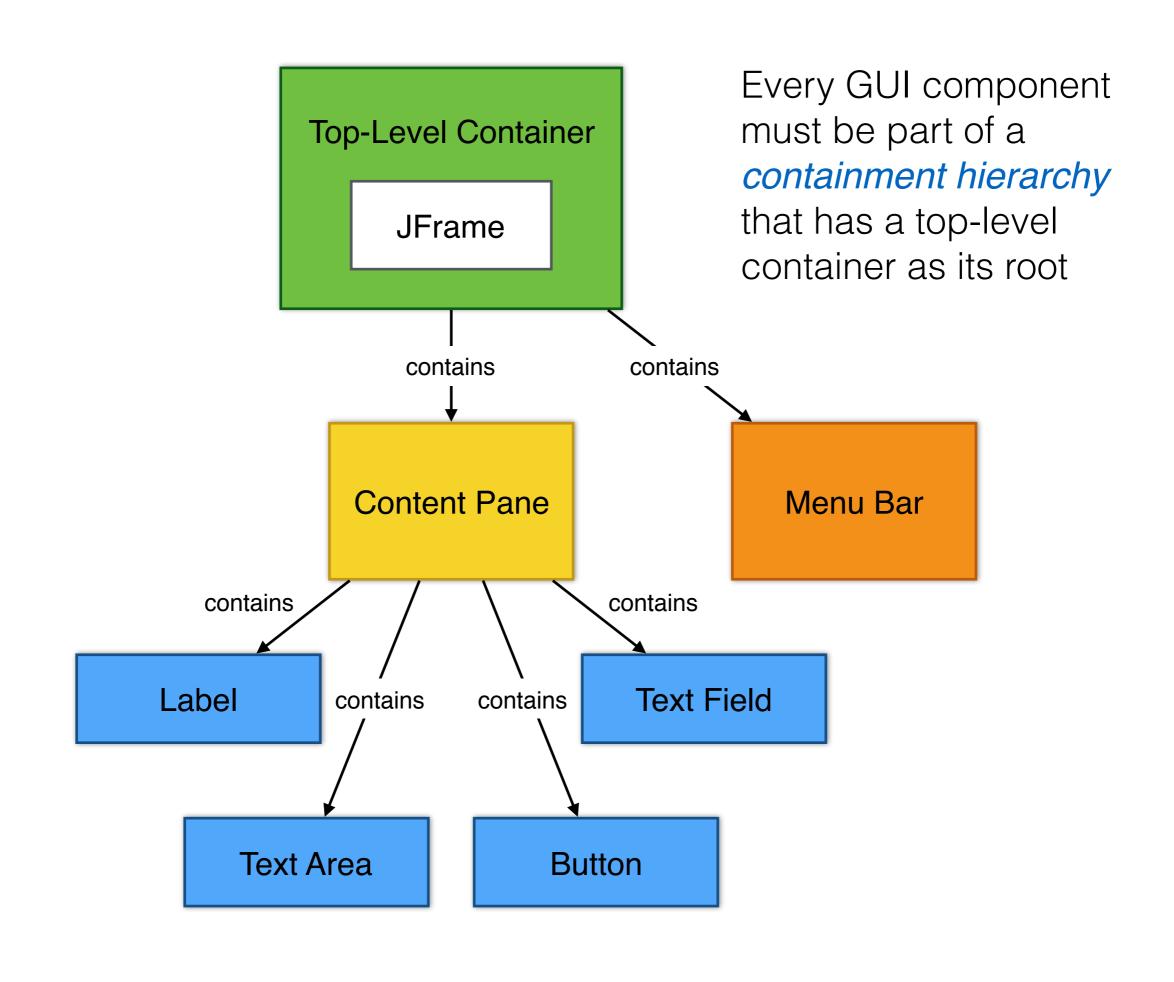
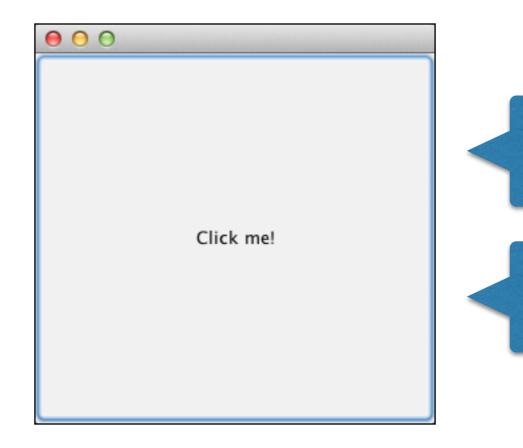
# Java GUI Development



### ButtonDemo



Just a big button that says "Click me!"

When you click it, nothing happens

### Head-First Java Style

```
public class ButtonDemo {
    public static void main(String[] args) {
        JFrame frame = new JFrame();
        JButton button = new JButton("Click me!");

        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.getContentPane().add(button);
        frame.setSize(300, 300);
        frame.setVisible(true);
    }
}
```

## Java Tutorial Style

```
public class ButtonDemo extends JPanel {
    JButton button;
                                               Add button to new
    public ButtonDemo() {
                                               instance, which
       button = new JButton("Click me!");
                                               becomes the new
       add(button); 

                                               content pane
   private static void createAndShowGUI()
       JFrame frame = new JFrame("ButtonDemo");
       frame.setDefaultCloseOperation(Jframe.EXIT_ON_CLOSE);
        JComponent newContentPane = new ButtonDemo();
       newContentPane.setOpaque(true);
       frame.setContentPane(newContentPane);
                                               pack or setSize
       frame.pack();
       frame.setVisible(true);
    public static void main(String[] args) {
       javax.swing.SwingUtilities.invokeLater(new Runnable() {
           public void run() {
               createAndShowGUI();
        });
```

#### Listen for and Respond to a Button Click