



GUI { java swing }

- La interfaz gráfica de usuario (GUI) juega un papel crucial en la experiencia del usuario. Java Swing es una de las bibliotecas más populares para crear GUIs en Java.
- Java Swing es una biblioteca de GUI que forma parte del JFC (Java Foundation Classes). Proporciona un conjunto de componentes ligeros y personalizables para construir interfaces gráficas de usuario.

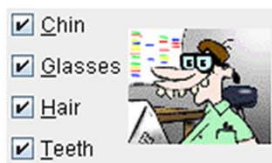
GUI { java swing }

- El diseño de una GUI en Swing se basa en el uso de contenedores y componentes.
- Los contenedores, como JFrame y JPanel, son responsables de organizar y contener otros componentes como botones, etiquetas y campos de texto.
- Los diseños (layouts) determinan cómo se colocan estos componentes dentro de los contenedores.

GUI { java swing }



[JButton](#)



[JCheckBox](#)



[JComboBox](#)



[JList](#)



[JMenu](#)



[JRadioButton](#)



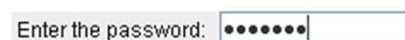
[JSlider](#)



[JSpinner](#)

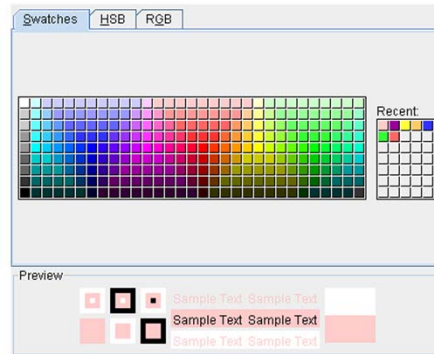


[JTextField](#)



[JPasswordField](#)

GUI { java swing }



[JColorChooser](#)



[JEditorPane](#) and [JTextPane](#)



[JFileChooser](#)

Host	User	Password	Last Modified
Blocca Games	Freddy	#asf6Awzlb	Mar 16, 2006
zabble	ichabod	Tazbl348fZ	Mar 6, 2006
Sun Developer	fraz@hotmail.co...	AasV541fthZ	Feb 22, 2006
Heirloom Seeds	shams@gmail...	bkzjADF78l	Jul 29, 2005
Pacific Zoo Shop	seal@hotmail.c...	vbAfl24%z	Feb 22, 2006

[JTable](#)

This is an editable *JTextArea*. A text area is a "plain" text component, which means that although it can display text in any font, all of the text is in the same font.

[JTextArea](#)



[JTree](#)

GUI { java swing }



[JLabel](#)



[JProgressBar](#)



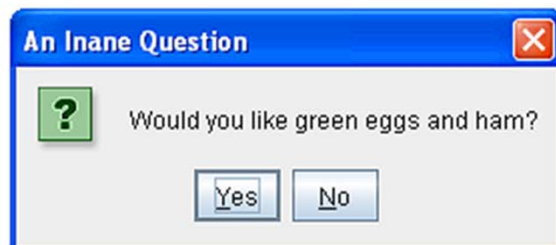
[JSeparator](#)



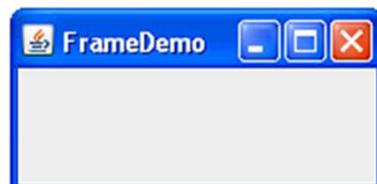
[JToolTip](#)



[JApplet](#)

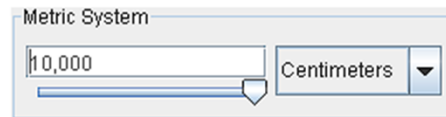


[JDialog](#)

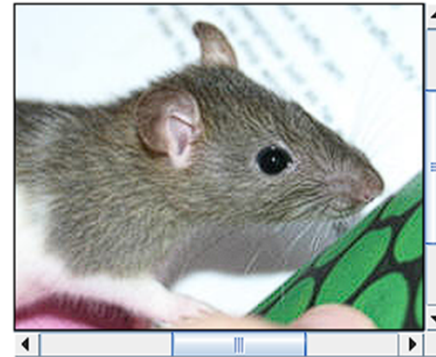


[JFrame](#)

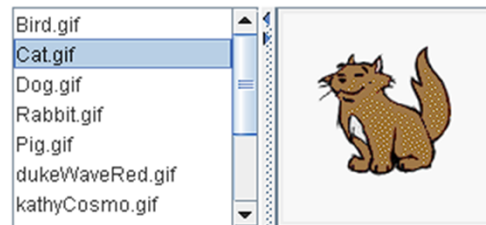
GUI { java swing }



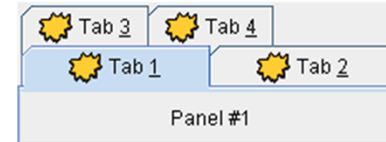
[JPanel](#)



[JScrollPane](#)



[JSplitPane](#)

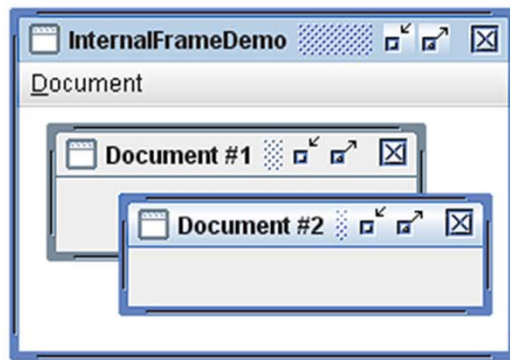


[JTabbedPane](#)

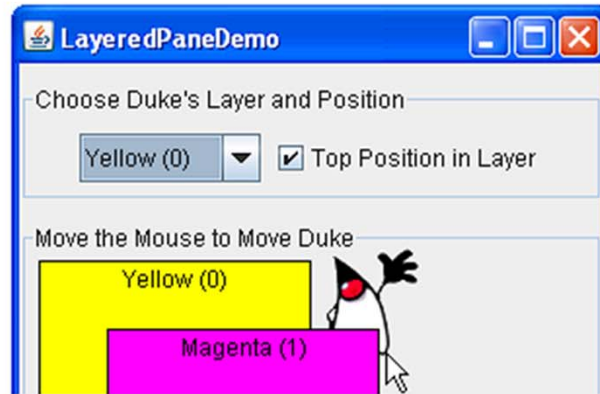


[JToolBar](#)

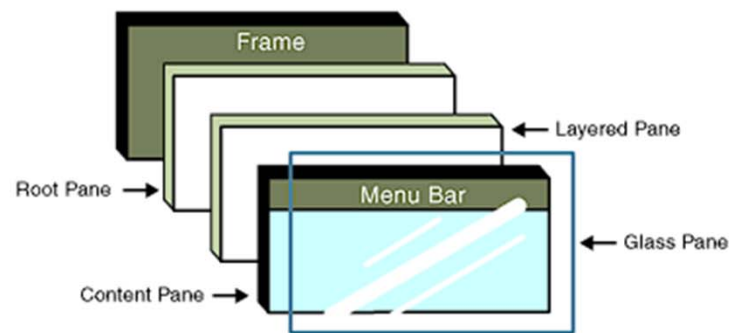
GUI { java swing }



[JInternalFrame](#)



[JLayeredPane](#)



[Root pane](#)

Ejemplo

```
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JPanel;
import java.awt.GridLayout;

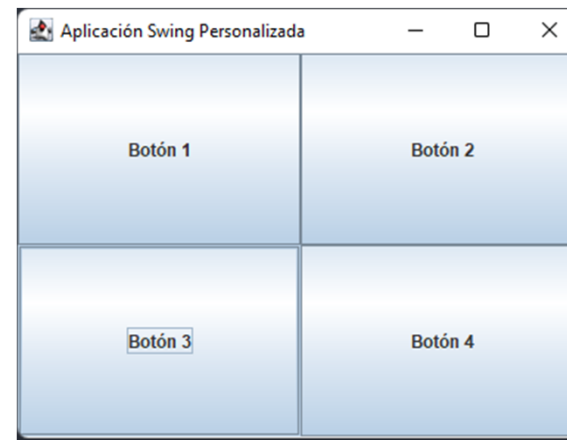
public class CustomSwingApp extends JFrame {
    public CustomSwingApp() {
        setTitle("Aplicación Swing Personalizada");
        setSize(400, 300);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        initUI();
    }

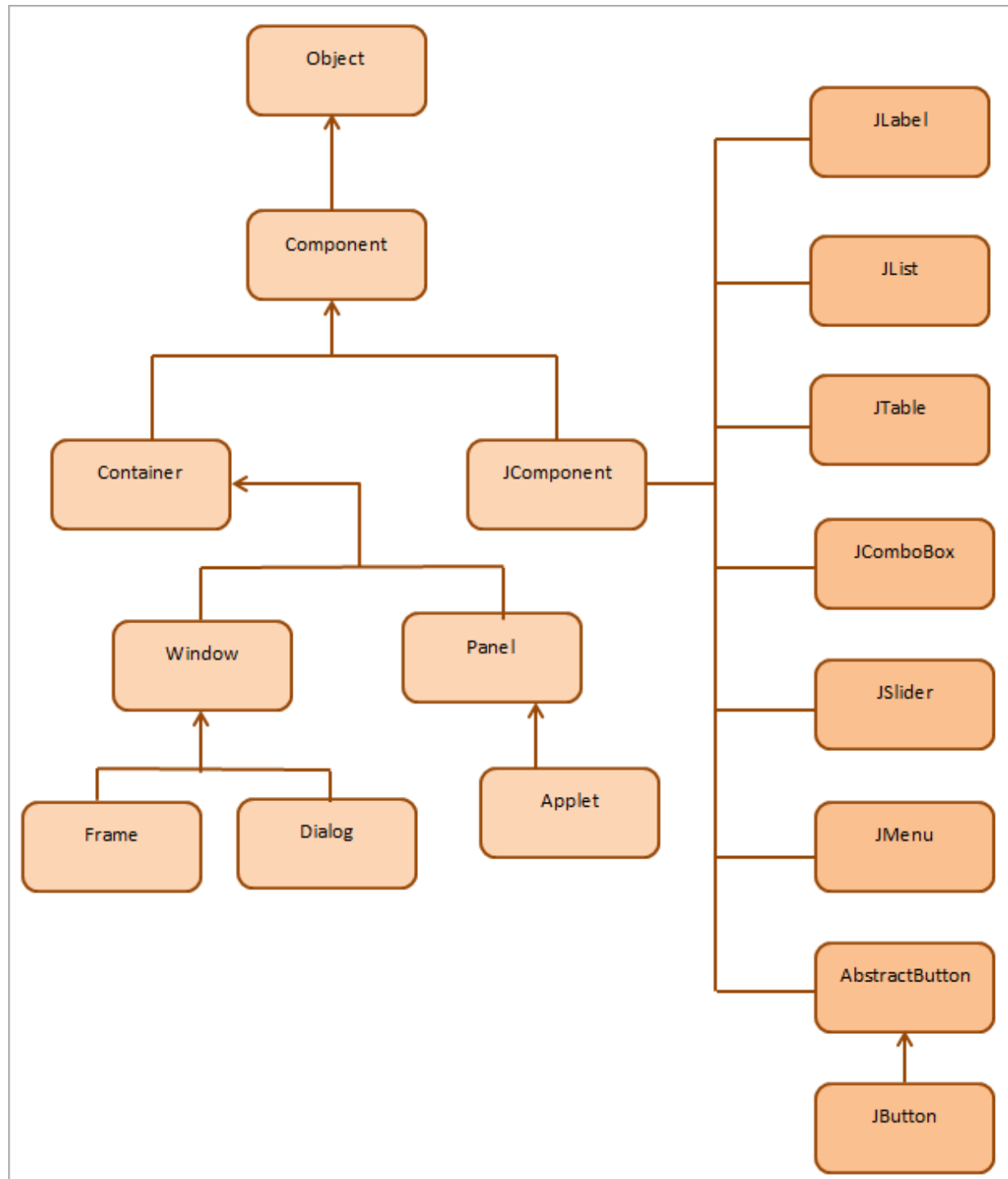
    private void initUI() {
        JPanel panel = new JPanel(new GridLayout(2, 2));
        JButton button1 = new JButton("Botón 1");
        JButton button2 = new JButton("Botón 2");
        JButton button3 = new JButton("Botón 3");
        JButton button4 = new JButton("Botón 4");

        panel.add(button1);
        panel.add(button2);
        panel.add(button3);
        panel.add(button4);


        add(panel);
    }

    public static void main(String[] args) {
        CustomSwingApp app = new CustomSwingApp();
        app.setVisible(true);
    }
}
```






Para el eclipse




WindowBuilder Current

WindowBuilder is composed of SWT Designer and Swing Designer and makes it very easy to create Java GUI applications without spending a lot of time writing code.... [more info](#)

by [Eclipse Foundation](#), EPL
[SWT](#) [swing](#) [wysiwyg](#) [graphical](#) [WindowBuilder](#)


★ 1057  Installs: **1.16M** (7,368 last month) Change ▼



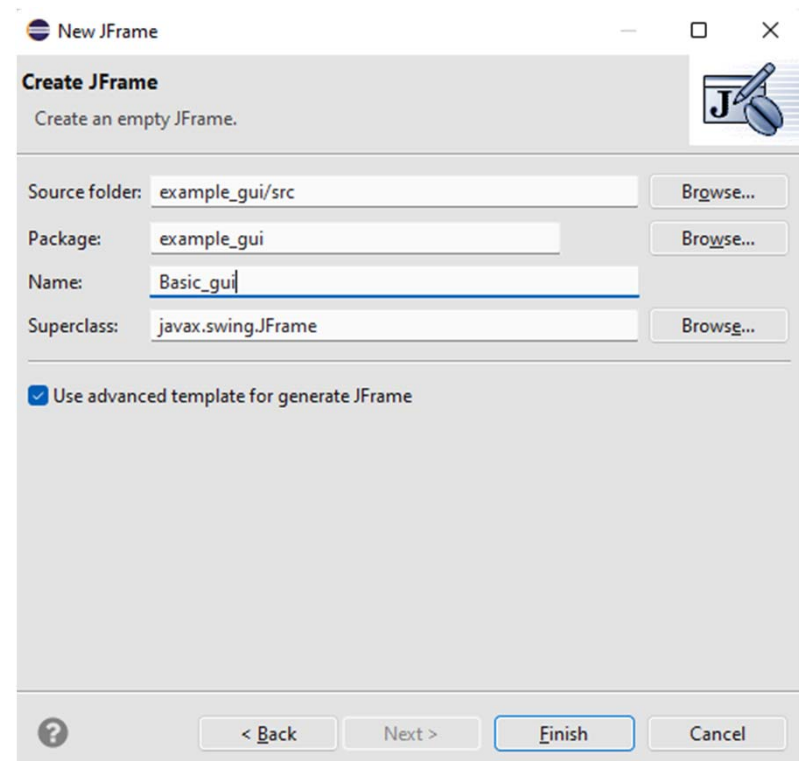
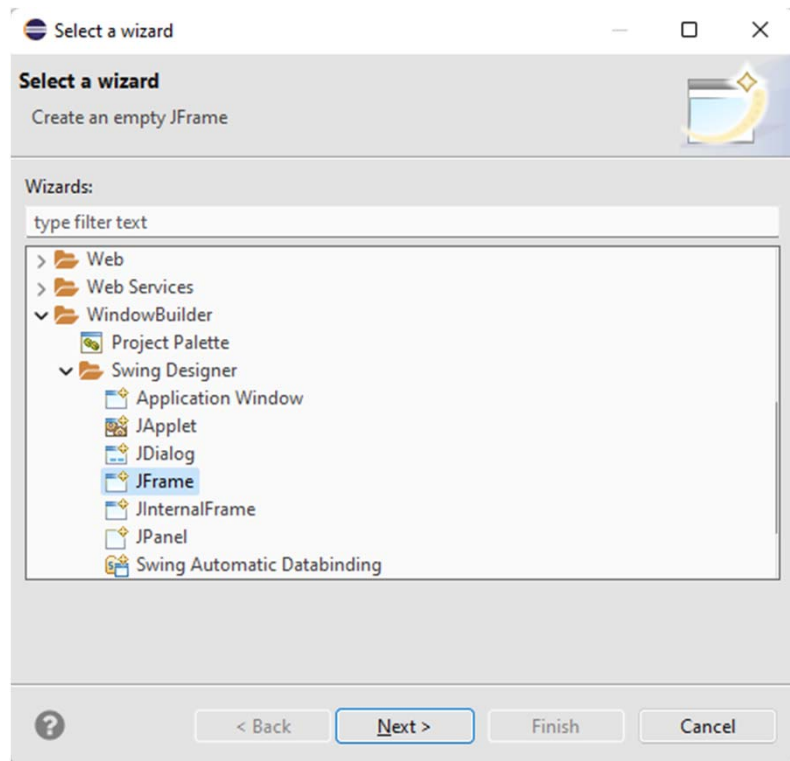
WindowBuilder Nightly Build Nightly

Nightly Build! Install if you want to use the latest patches before a release is available. It can be unstable. WindowBuilder is composed of SWT Designer and... [more info](#)

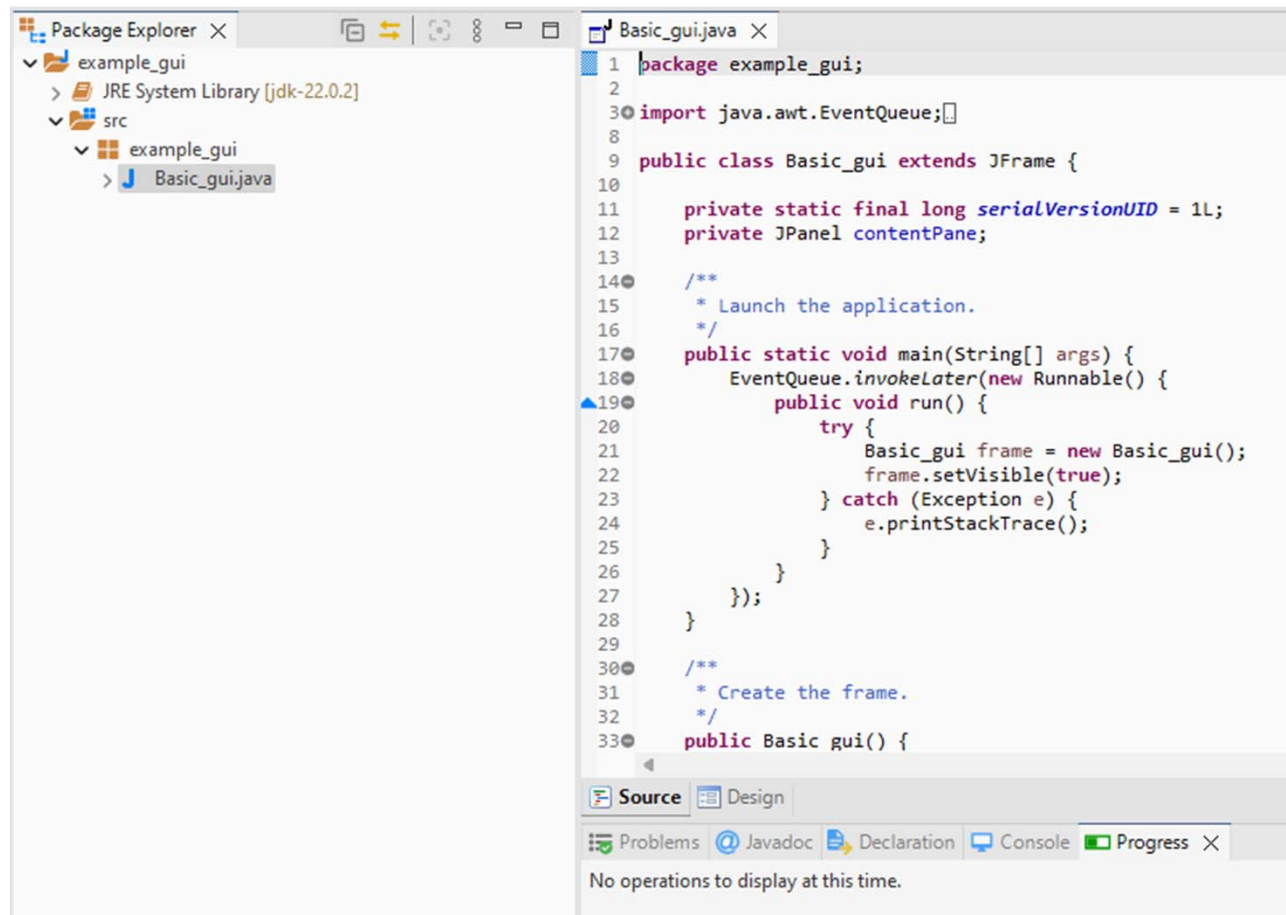
by [Eclipse Foundation](#), EPL
[SWT](#) [swing](#) [wysiwyg](#) [graphical](#) [WindowBuilder](#)

★ 62  Installs: **67.7K** (350 last month) Update ▼

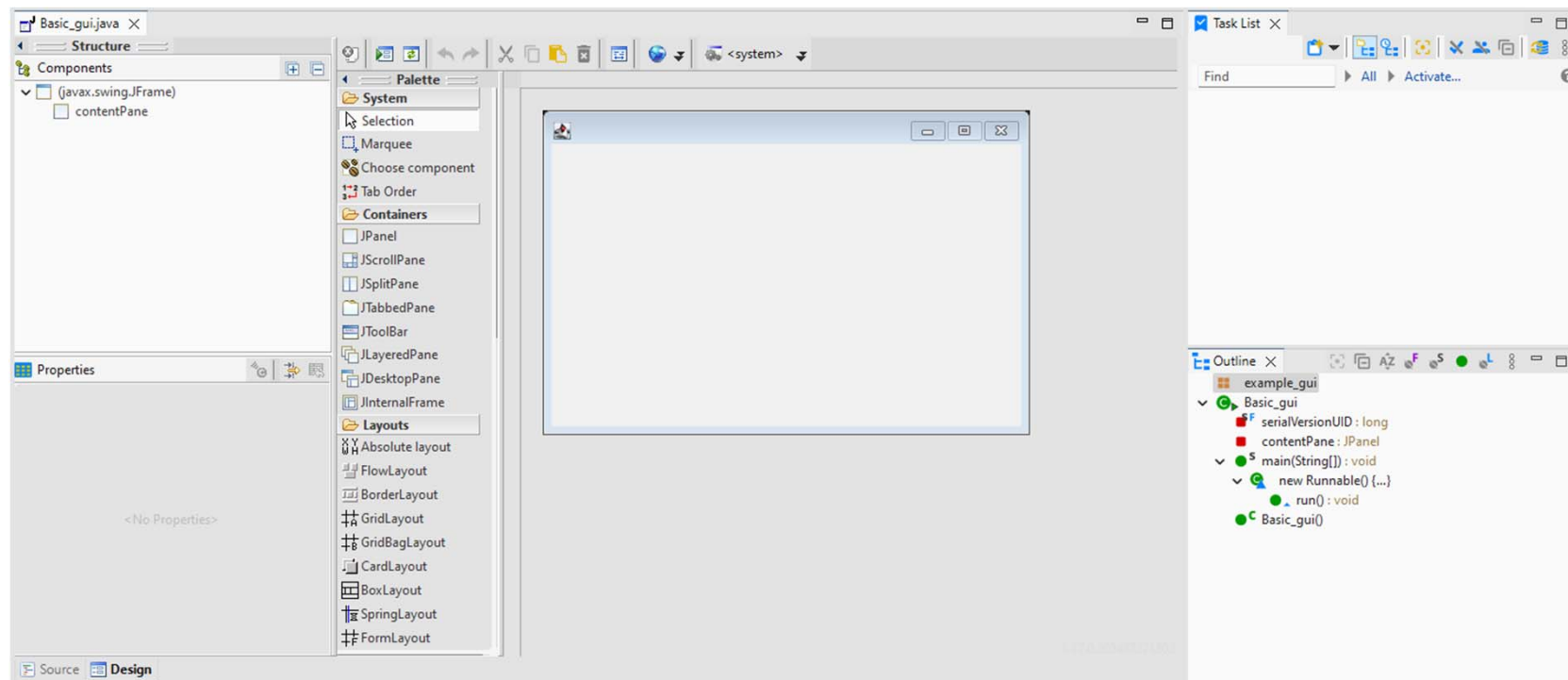
Ejemplo en eclipse



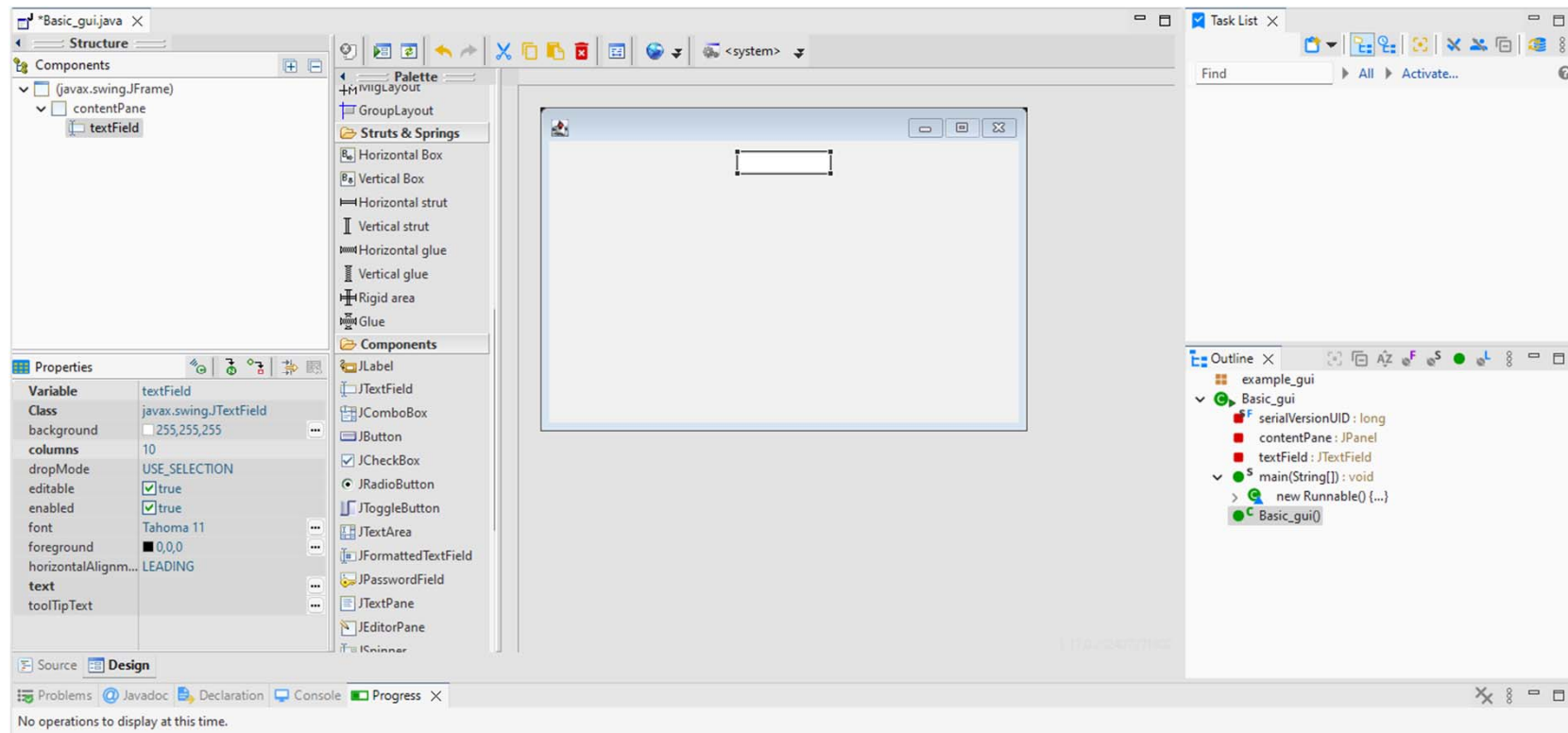
Ejemplo en eclipse



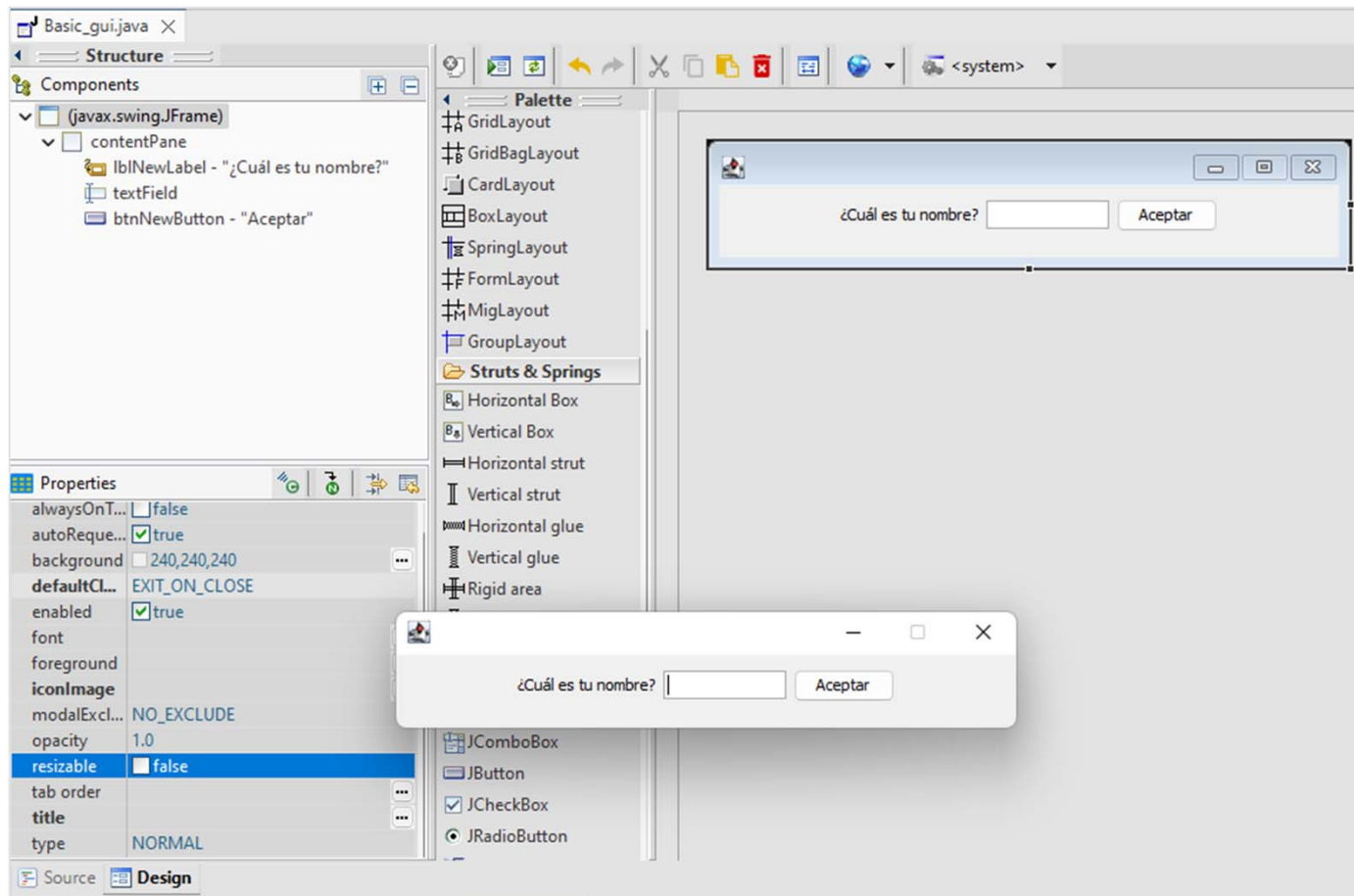
Ejemplo en eclipse



Ejemplo en eclipse



Ejemplo en eclipse



Referencias

- <https://web.mit.edu/6.005/www/sp14/psets/ps4/java-6-tutorial/components.html>
- <https://docs.oracle.com/javase/tutorial/uiswing/components/toplevel.html>