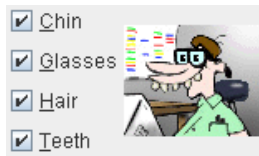# A Visual Guide to Swing Components

Basic Controls
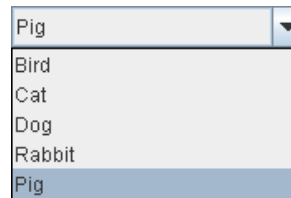Simple components that are used primarily to get input from the user; they may also show simple state.

Middle button
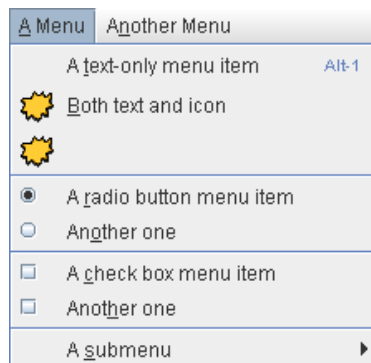
JButton
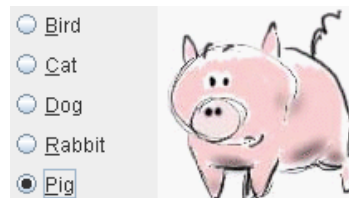
☑ Chin
☑ Glasses
☑ Hair
☑ Teeth

JCheckBox

Pig
Bird
Cat
Dog
Rabbit
Pig

JComboBox

Martha Washington
Abigail Adams
Martha Randolph
Dolley Madison
Elizabeth Monroe
Louisa Adams

JList

A Menu Another Menu
A text-only menu item   Alt-1
Both text and icon

◉ A radio button menu item
○ Another one
☐ A check box menu item
☐ Another one
A submenu   ▶

JMenu

○ Bird
○ Cat
○ Dog
○ Rabbit
◉ Pig

JRadioButton

Frames Per Second
0   10   20   30

JSlider

Date: 07/2006

JSpinner

City: Santa Rosa

JTextField

Enter the password: •••••••

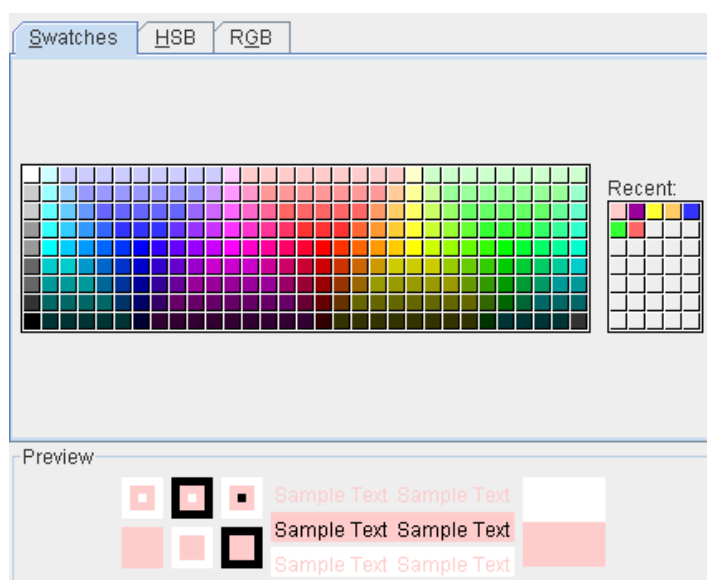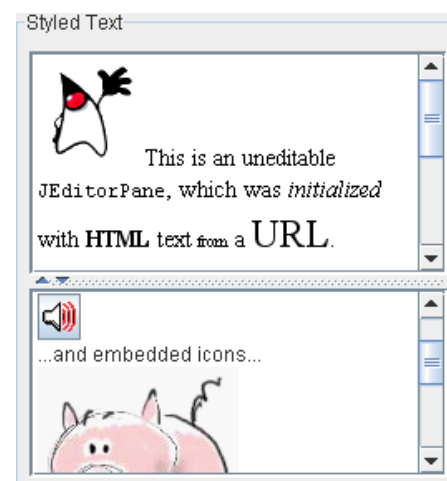**JPasswordField**

Interactive Displays of Highly Formatted Information
These components display highly formatted information that (if you choose) can be modified by the user.

Swatches   HSB   RGB

Recent:

Preview

Sample Text Sample Text
Sample Text Sample Text
Sample Text Sample Text

JColorChooser

Styled Text

This is an uneditable
JEditorPane, which was *initialized*
with **HTML** text from a URL.

...and embedded icons...

JEditorPane and **JTextPane**

Open

Look In: ☐ My Computer ▾

⊜ Local Disk (C:) ⊜ DVD-RW Drive (D:)
⊜ Shared Documents ⊜ Removable Disk (E:)

File Name: [   ]

Files of Type: image ▾

Open   Cancel
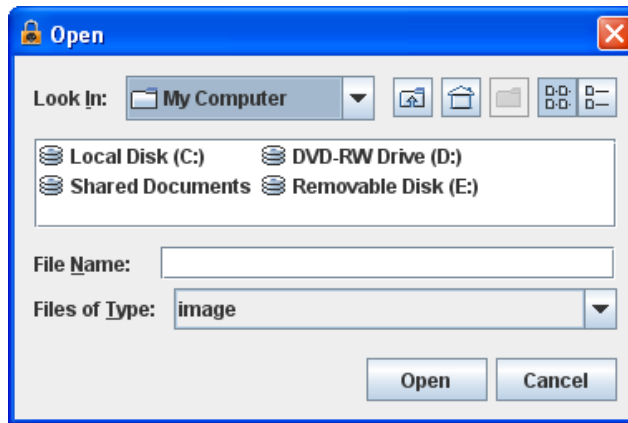
JFileChooser

Host	User	Password	Last Modified
Biocca Games	Freddy	l#asf6Awwzb	Mar 16, 2006
zabble	ichabod	Tazb!34$fZ	Mar 6, 2006
Sun Developer	fraz@hotmail.co...	AasW541!fbZ	Feb 22, 2006
Heirloom Seeds	shams@gmail....	bkz[ADF78!	Jul 29, 2005
Pacific Zoo Shop	seal@hotmail.c...	vbAf124%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.
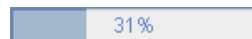
JTextArea

☐ Mia Familia
  ○ ☐ Sharon
    ○ ☐ Maya
      └ ☐ Muffin
    ○ ☐ Anya
      └ ☐ Winky
  └ ☐ Bongo
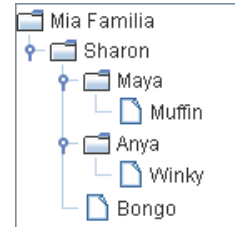
JTree

Uneditable Information Displays
These components exist solely to give the user information.

Image and Text

Text-Only Label

JLabel

31%

JProgressBar

Another one

A check box menu item
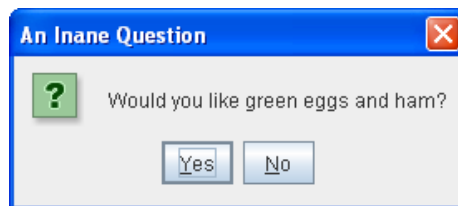
JSeparator

Click or drop to set image
Click or drop to set
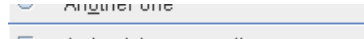
JToolTip

Top-Level Containers
At least one of these components must be present in any Swing application.

JApplet

An Inane Question

? Would you like green eggs and ham?

Yes   No

JDialog

FrameDemo
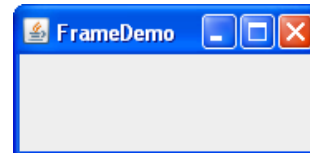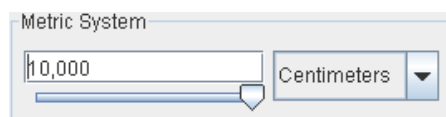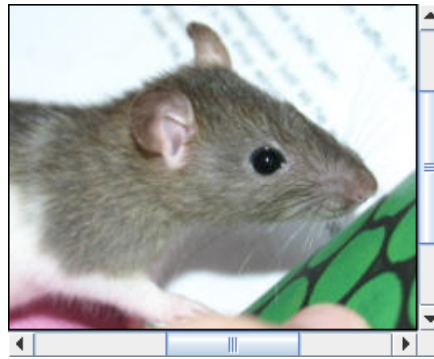
JFrame

General-Purpose Containers
These general-purpose containers are used in most Swing applications.
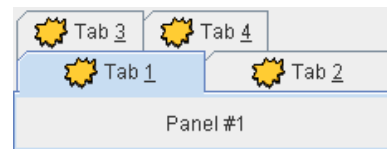
Metric System

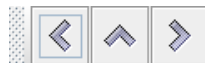10,000   Centimeters ▾

JPanel

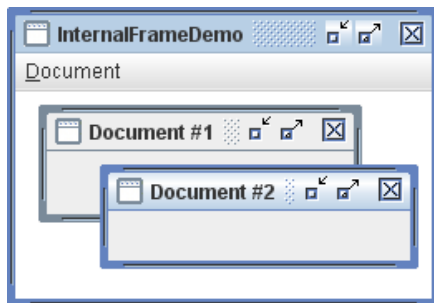[JScrollPane](#)
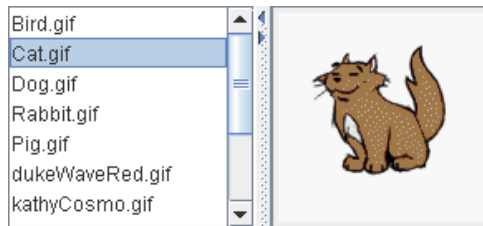
[JSplitPane](#)
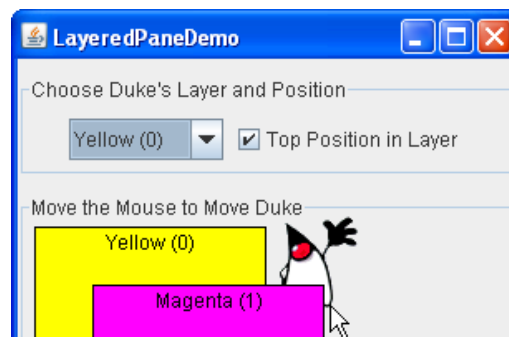

[JTabbedPane](#)

[JToolBar](#)

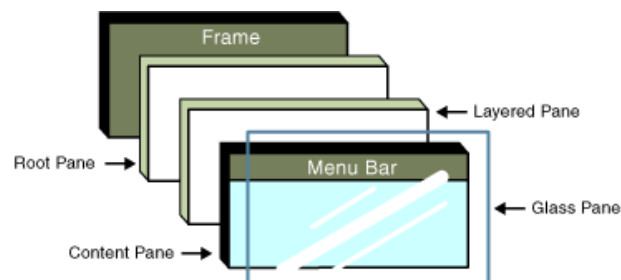## Special-Purpose Containers
These special-purpose containers play specific roles in the UI.

[JInternalFrame](#)

[JLayeredPane](#)

[Root pane](#)