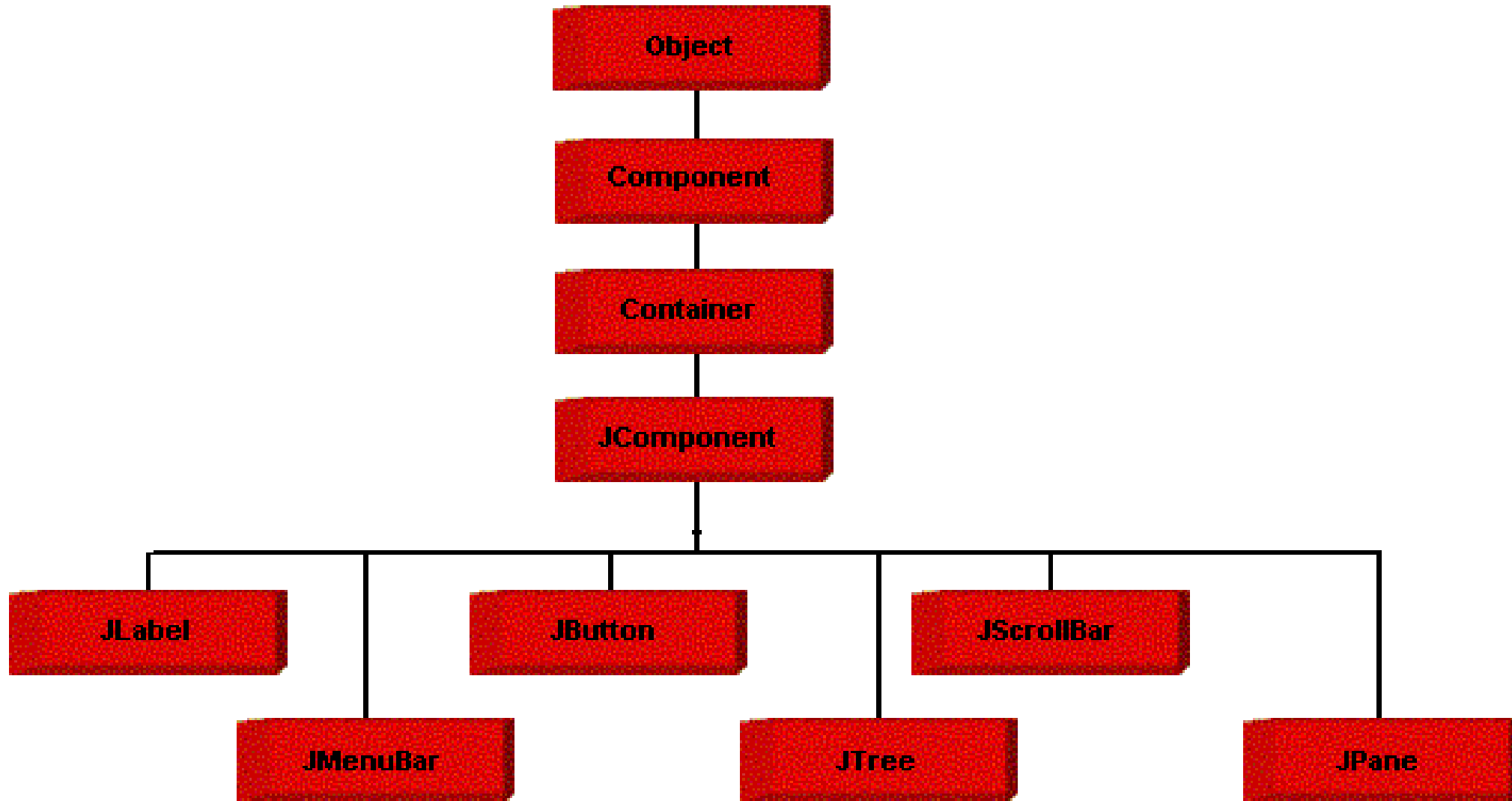


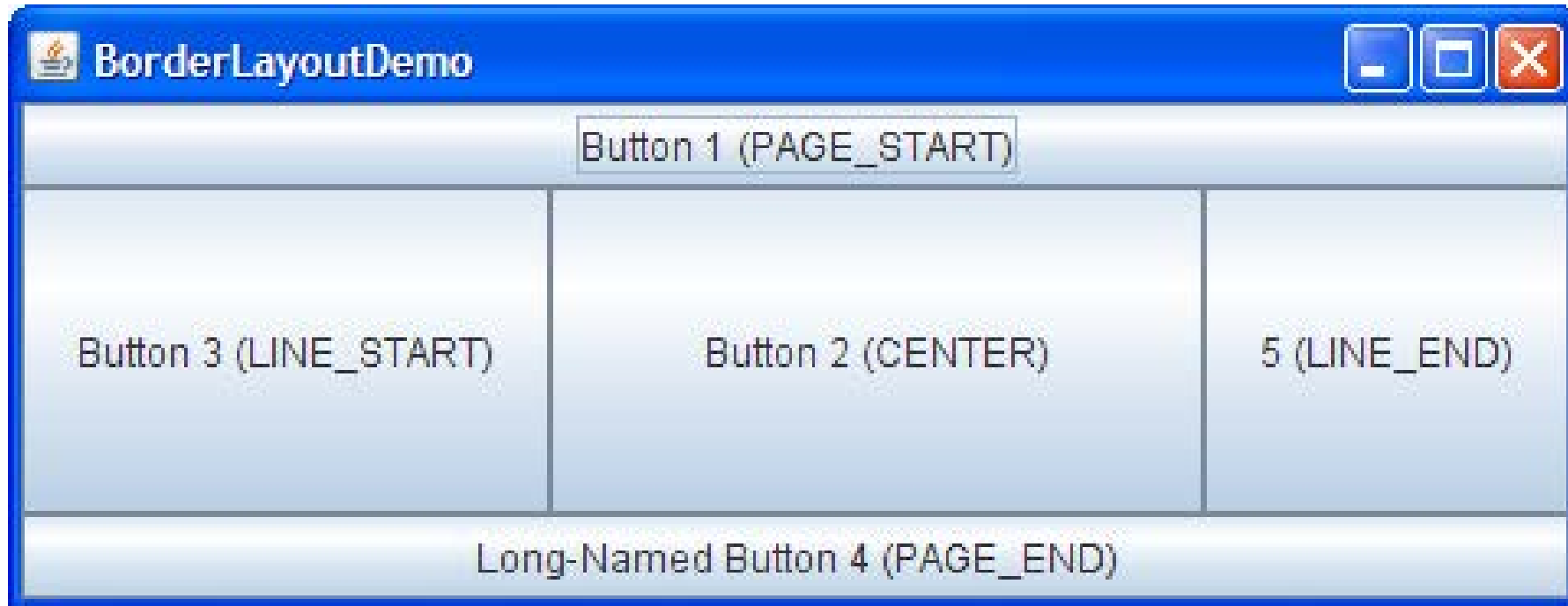
# Java GUI Layout

# Java Swing class hierarchy



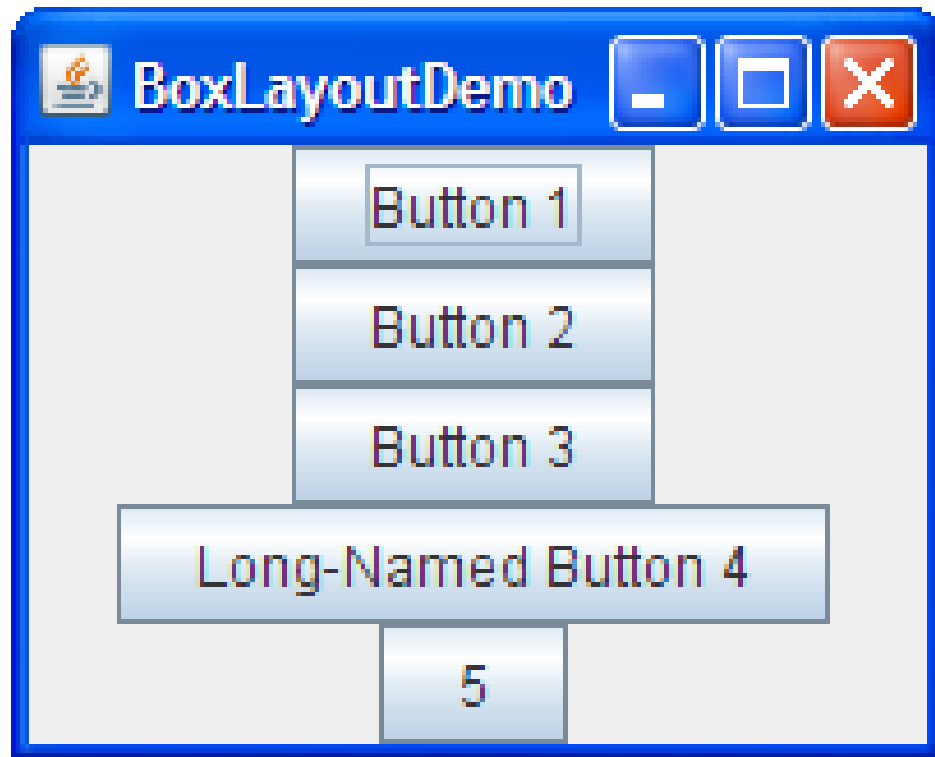
# BorderLayout

A BorderLayout places components in up to five areas: top, bottom, left, right, and center. All extra space is placed in the center area.



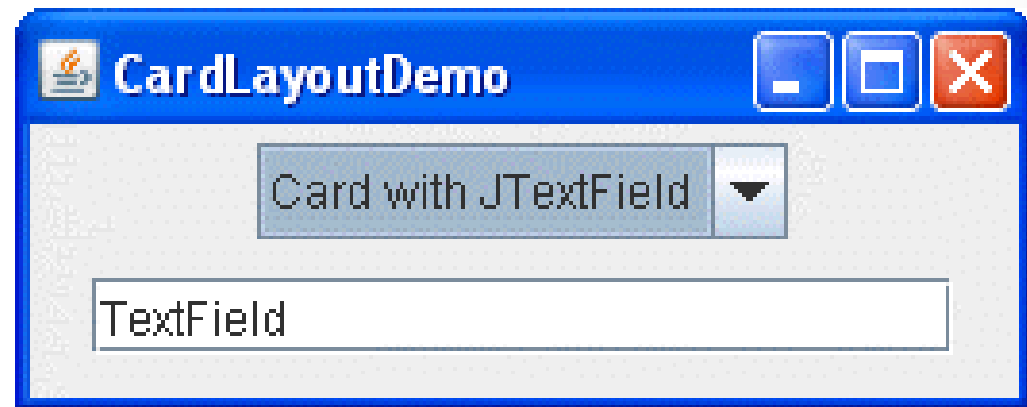
# BoxLayout

The BoxLayout class puts components in a single row or column. It keeps the components' requested maximum sizes and also lets you align components.



# CardLayout

The CardLayout class lets you implement an area that contains different components at different times. A CardLayout is often controlled by a combo box, with the state of the combo box determining which components the CardLayout displays.



# FlowLayout

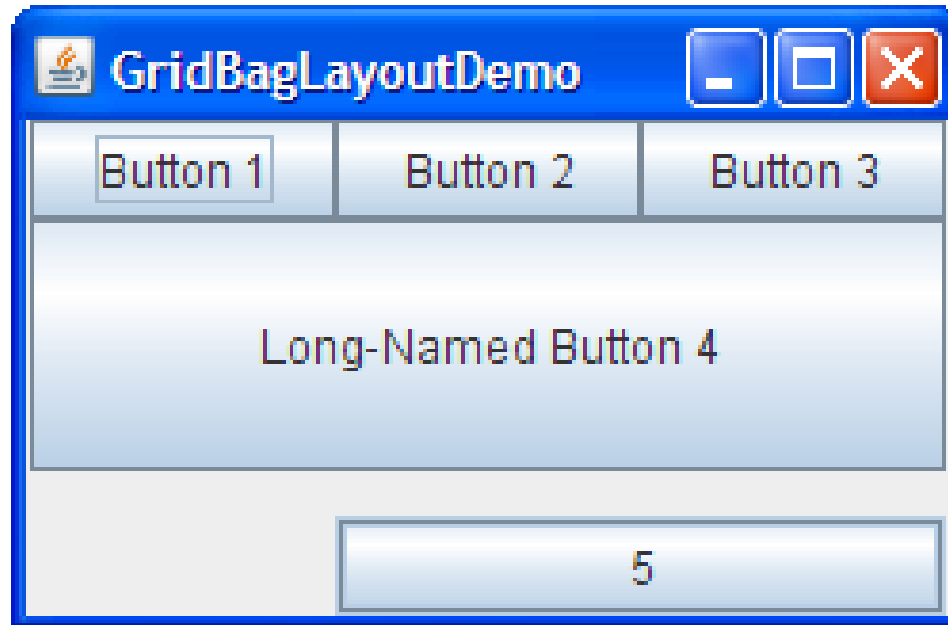
The FlowLayout is the default layout manager for every JPanel.

It simply lays out components in a single row, starting a new row if the container is not sufficiently wide.



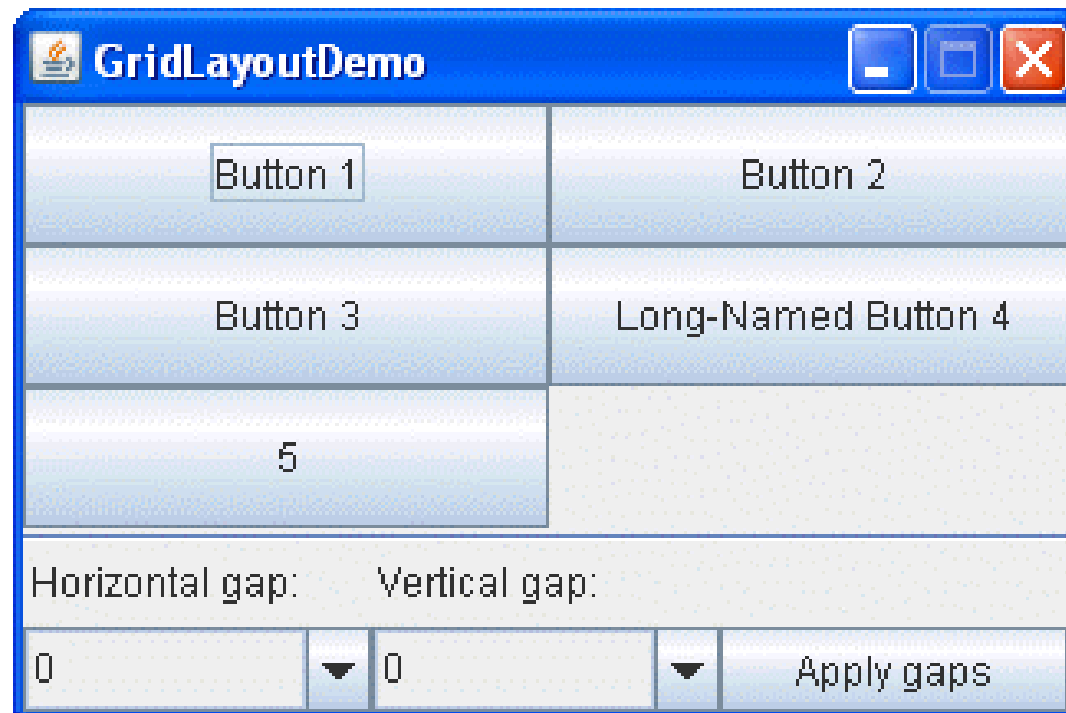
# GridBagLayout

The GridBagLayout is a sophisticated, flexible layout manager. It aligns components by placing them within a grid of cells, allowing components to span more than one cell.



# GridLayout

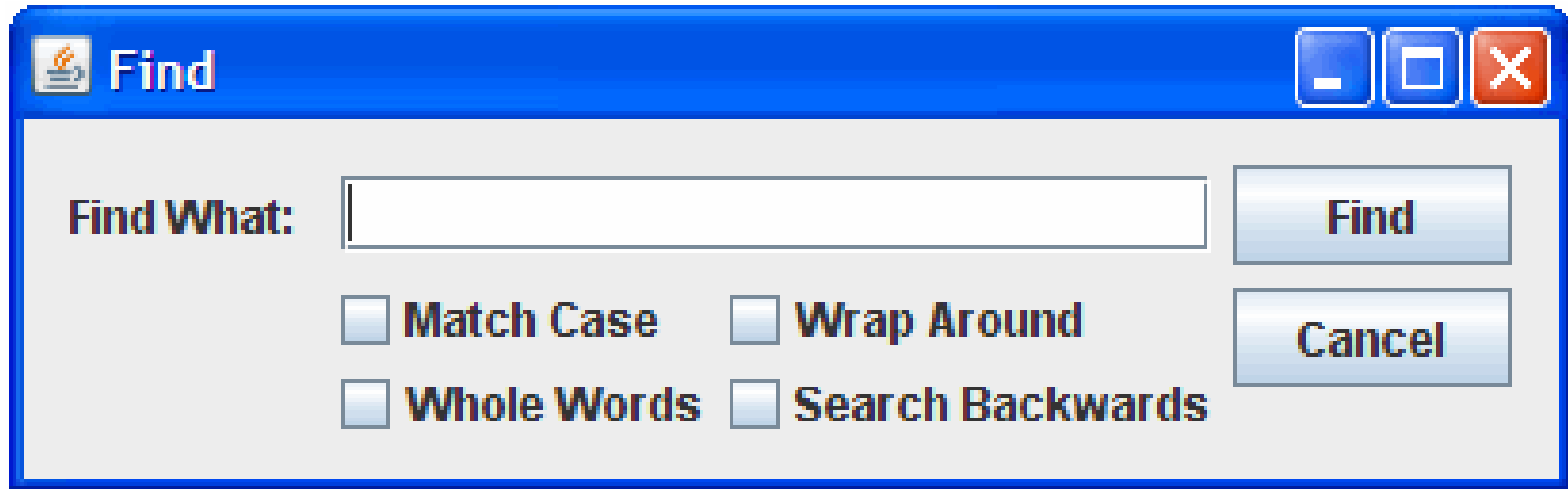
The GridLayout simply makes a bunch of components equal in size and displays them in the requested number of rows and columns.





# GroupLayout

The GroupLayout is a layout manager that can also be used manually. The layout is defined for each dimension independently.



# SpringLayout

The SpringLayout is a flexible layout manager that lets you specify precise relationships between the edges of components under its control.

