Class java.awt.CardLayout

```
java.lang.Object
   |
   +----java.awt.CardLayout
```

public class **CardLayout**
extends Object
implements LayoutManager

A layout manager for a container that contains several 'cards'. Only one card is visible at the same time, allowing you to flip through the cards.

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    Creates a card layout with the specified gaps.

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      Removes the specified component from the layout.

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      Flips to the specified component name in the specified container.

o **toString**()

      Returns the String representation of this CardLayout's values.

Constructors

o **CardLayout**

```
public CardLayout()
```

      Creates a new card layout.

o **CardLayout**

```
public CardLayout(int hgap,
                  int vgap)
```

      Creates a card layout with the specified gaps.

      Parameters:

            hgap – the horizontal gap

            vgap – the vertical gap

Methods

o **addLayoutComponent**

```
public void addLayoutComponent(String name,
                               Component comp)
```

      Adds the specified component with the specified name to the layout.

      Parameters:

            name – the name of the component

            comp – the component to be added

o **removeLayoutComponent**

```
public void removeLayoutComponent(Component comp)
```

      Removes the specified component from the layout.

Parameters:
   comp – the component to be removed

o **preferredLayoutSize**

```
public Dimension preferredLayoutSize(Container parent)
```

Calculates the preferred size for the specified panel.
Parameters:
   parent – the name of the parent container
Returns:
   the dimensions of this panel.
See Also:
   minimumSize

o **minimumLayoutSize**

```
public Dimension minimumLayoutSize(Container parent)
```

Calculates the minimum size for the specified panel.
Parameters:
   parent – the name of the parent container
Returns:
   the dimensions of this panel.
See Also:
   preferredSize

o **layoutContainer**

```
public void layoutContainer(Container parent)
```

Performs a layout in the specified panel.
Parameters:
   parent – the name of the parent container

o **first**

```
public void first(Container parent)
```

Flip to the first card.
Parameters:
   parent – the name of the parent container

o **next**

```
public void next(Container parent)
```

Flips to the next card of the specified container.
Parameters:

parent – the name of the container

o **previous**

```
public void previous(Container parent)
```

Flips to the previous card of the specified container.
Parameters:
parent – the name of the parent container

o **last**

```
public void last(Container parent)
```

Flips to the last card of the specified container.
Parameters:
parent – the name of the parent container

o **show**

```
public void show(Container parent,
                 String name)
```

Flips to the specified component name in the specified container.
Parameters:
parent – the name of the parent container
name – the component name

o **toString**

```
public String toString()
```

Returns the String representation of this CardLayout's values.
Overrides:
toString in class Object