

# Interface `java.awt.LayoutManager`

public interface **LayoutManager**  
extends [Object](#)

Defines the interface for classes that know how to layout Containers.

**See Also:**  
[Container](#)

**Version:**  
1.10, 08/17/95

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Adds the specified component with the specified name to the layout.
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Calculates the minimum size dimensions for the specified panel given the components in the specified parent container.
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Calculates the preferred size dimensions for the specified panel given the components in the specified parent container.
- o **[removeLayoutComponent](#)**(Component)  
Removes the specified component from the layout.

## Methods

### o **[addLayoutComponent](#)**

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

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

**Parameters:**

name – the component name  
comp – the component to be added

## o **removeLayoutComponent**

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

Removes the specified component from the layout.

**Parameters:**

comp – the component to be removed

## o **preferredLayoutSize**

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

Calculates the preferred size dimensions for the specified panel given the components in the specified parent container.

**Parameters:**

parent – the component which needs to be laid out

**See Also:**

minimumSize

## o **minimumLayoutSize**

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

Calculates the minimum size dimensions for the specified panel given the components in the specified parent container.

**Parameters:**

parent – the component which needs to be laid out

**See Also:**

preferredSize

## o **layoutContainer**

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

Lays out the container in the specified panel.

**Parameters:**

parent – the component which needs to be laid out