

Layouts – SpringLayout



Earlier in the course Absolute Layouts were introduced where `setBounds()` is used to place a Component relevant to the top and left sides of its Container.

A SpringLayout is essentially the same as above but allows the positioning of the Component to any side of its Container and indeed to any other Component already within the Container.

Each Component has four planes, `SpringLayout.NORTH`, `SpringLayout.SOUTH`, `SpringLayout.EAST` and `SpringLayout.WEST`, and it is these planes which are used to set the relationship.

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Each Component will need to be set at least twice, once for the vertical and once for the horizontal plane, in fact other planes can be defined and they can influence length and width of the Component.

The Developer will need to import the following ...

```
import javax.swing.SpringLayout;
```

In this first example the Developer is placing a JLabel 50 pixels below the top of the JPanel and 100 pixels from the west of the JPanel ...