

Introduction

The Panel class is a container that includes a title bar, a caption, a border, and a content area for its children.

Class declaration

Following is the declaration for **spark.components.Panel** class:

```
public class Panel
    extends SkinnableContainer
```

Public properties

S.N.	Property & Description
1	controlBarContent : Array The set of components to include in the control bar area of the Panel container.
2	controlBarLayout : LayoutBase Defines the layout of the control bar area of the container.
3	controlBarVisible : Boolean If true, the control bar is visible.
4	title : String Title or caption displayed in the title bar.

Public methods

S.N.	Method & Description
1	Panel Constructor.

Methods inherited

This class inherits methods from the following classes:

- spark.components.SkinnableContainer
- spark.components.supportClasses.SkinnableContainerBase

- spark.components.supportClasses.SkinnableComponent
- mx.core.UIComponent
- mx.core.FlexSprite
- flash.display.Sprite
- flash.display.DisplayObjectContainer
- flash.display.InteractiveObject
- flash.display.DisplayObject
- flash.events.EventDispatcher
- Object

Flex Panel Example

Let us follow the following steps to check usage of Panel in a Flex application by creating a test application:

Step	Description
1	Create a project with a name <i>HelloWorld</i> under a package <i>com.tutorialspoint.client</i> as explained in the <i>Flex - Create Application</i> chapter.
2	Modify <i>HelloWorld.mxml</i> as explained below. Keep rest of the files unchanged.
3	Compile and run the application to make sure business logic is working as per the requirements.

Following is the content of the modified mxml file **src/com.tutorialspoint/HelloWorld.mxml**.

```
<?xml version="1.0" encoding="utf-8"?>
<s:Application xmlns:fx="http://ns.adobe.com/mxml/2009"
  xmlns:s="library://ns.adobe.com/flex/spark"
  xmlns:mx="library://ns.adobe.com/flex/mx"
  width="100%" height="100%" minWidth="500" minHeight="500"
  >
  <fx:Style source="/com/tutorialspoint/client/Style.css"/>
  <s:BorderContainer width="630" height="480"
    styleName="container">
    <s:VGroup width="100%" height="100%" gap="50"
      horizontalAlign="center" verticalAlign="middle">
      <s:Label
        fontSize="40" color="0x777777" styleName="heading"/>
      <s:Panel
        height="300">
        <s:layout>
          <s:HorizontalLayout gap="10"
            verticalAlign="middle" horizontalAlign="center"/>
        </s:layout>
        <s:Panel title="Basic Layout Panel" top="0"
          left="5" height="200" width="150" >
          <s:BorderContainer width="50" height="50"
            borderWidth="2" color="0x323232" top="0" />
          <s:BorderContainer width="50" height="50"
            borderWidth="2" color="0x323232" top="55" />
          <s:BorderContainer width="50" height="50"
            borderWidth="2" color="0x323232" top="110" />
        </s:Panel>
        <s:Panel title="Horizontal Layout Panel" top="0"
          left="5" height="200" width="170" >
```

```

<s:layout>
  <s:HorizontalLayout/>
</s:layout>
<s:BorderContainer width="50" height="50"
  borderWidth="2" color="0x323232" top="0" />
<s:BorderContainer width="50" height="50"
  borderWidth="2" color="0x323232" top="55" />
<s:BorderContainer width="50" height="50"
  borderWidth="2" color="0x323232" top="110" />
</s:Panel>
<s:Panel title="Vertical Layout Panel" top="0"
  left="5" height="200" width="150" >
  <s:layout>
    <s:VerticalLayout />
  </s:layout>
  <s:BorderContainer width="50" height="50"
    borderWidth="2" color="0x323232" top="0" />
  <s:BorderContainer width="50" height="50"
    borderWidth="2" color="0x323232" top="55" />
  <s:BorderContainer width="50" height="50"
    borderWidth="2" color="0x323232" top="110" />
</s:Panel>
</s:Panel>
</s:VGroup>
</s:BorderContainer>
</s:Application>

```

Once you are ready with all the changes done, let us compile and run the application in normal mode as we did in [Flex - Create Application](#) chapter. If everything is fine with your application, this will produce following result: [[Try it online](#)]

