

Introduction

The Form container lets you control the layout of a form, mark form fields as required or optional, handle error messages, and bind your form data to the Flex data model to perform data checking and validation. It also lets you use style sheets to configure the appearance of your forms.

Class declaration

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

```
public class Form
    extends Container
```

Public properties

S.N.	Property & Description
1	invalidElements : Array [read-only] A sorted Array of descendant elements that are in an invalid state.

Public methods

S.N.	Method & Description
1	Form Constructor.

Methods inherited

This class inherits methods from the following classes:

- mx.core.Component
- mx.core.UIComponent
- mx.core.FlexSprite
- flash.display.Sprite
- flash.display.DisplayObjectContainer
- flash.display.InteractiveObject
- flash.display.DisplayObject
- flash.events.EventDispatcher
- Object

Flex Form Example

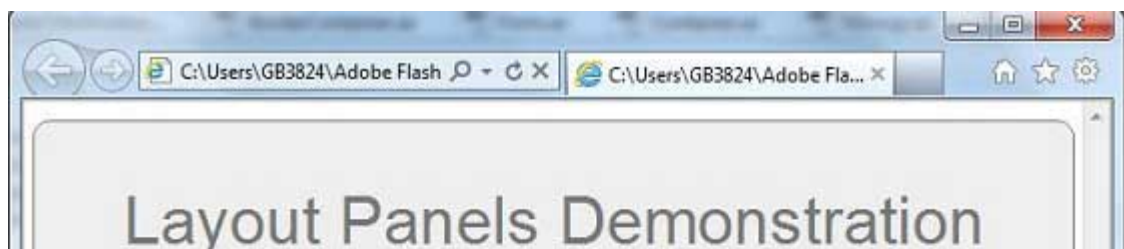
Let us follow the following steps to check usage of Form in a Flex application by creating a test application:

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"/>
  <fx:Declarations>
    <mx:StringValidator source="{fname}" property="text"
      minLength="4" maxLength="12"/>
    <mx:PhoneNumberValidator source="{phone}" property="text"/>
    <mx:EmailValidator source="{email}" property="text"/>
  </fx:Declarations>
  <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
        width="500" height="300"
        includeInLayout="true" visible="true">
        <s:Form >
          <s:FormItem label="First name">
            <s:TextInput />
          </s:FormItem>
          <s:FormItem label="E-mail">
            <s:TextInput />
          </s:FormItem>
          <s:FormItem label="Phone">
            <s:TextInput />
          </s:FormItem>
        </s:Form>
      </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](#)]



Using Form

First name  *This field is required.*

E-mail  *An at sign (@) is missing in your e-mail address.*

Phone  *Your telephone number contains invalid characters.*

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