

# Form Controls Example

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## 1. Form Controls Example

This is a full example of all of the NetUI form control tags. In the example, the `formTest.jsp` page defines a single form containing all of the NetUI form controls. When this form is posted, the `submit` action is called. This will simply pass the form as a page input to the `results.jsp` where the full results are displayed. The example contains table layout to make the example a bit more readable.

## 2. Controller.jpf

```
package formControls;

import org.apache.beehive.netui.pageflow.annotations.Jpf;

import org.apache.beehive.netui.pageflow.PageFlowController;
import org.apache.beehive.netui.pageflow.Forward;
import org.apache.beehive.netui.pageflow.FormData;
import org.apache.struts.upload.FormFile;

@Jpf.Controller(
    simpleActions={
        @Jpf.SimpleAction(name="begin", path="formTest.jsp")
    },
    multipartHandler=Jpf.MultipartHandler.memory
)
public class Controller extends PageFlowController
{
    private String hidden = "Hidden Field";
    private String[] hiddenArray = {"Hidden One", "Hidden Two"};
    private boolean hiddenBoolean = true;

    // Hidden dataInput properties
    public String getHidden() {
        return hidden;
    }
    public String[] getHiddenArray() {
        return hiddenArray;
    }
    public boolean isHiddenBoolean() {
        return hiddenBoolean;
    }

    @Jpf.Action(
        forwards={@Jpf.Forward(name="success",
                                path="results.jsp",
                                type=FormBean.class,
                                required=true)}
    )
}
```

```
        )
    }
)
public Forward submit(FormBean formBean) {
    Forward fwd = new Forward("success", "bean", formBean);
    return fwd;
}

public static class FormBean extends FormData
{
    // checkbox dataSources
    private boolean checkBox;
    private Boolean checkBoxBoolean;
    private String  checkBoxString;

    public boolean isCheckBox() {
        return checkBox;
    }
    public void setCheckBox(boolean checkBox) {
        this.checkBox = checkBox;
    }

    public Boolean getCheckBoxBoolean() {
        return checkBoxBoolean;
    }
    public void setCheckBoxBoolean(Boolean checkBoxBoolean) {
        this.checkBoxBoolean = checkBoxBoolean;
    }

    public String getCheckBoxString() {
        return checkBoxString;
    }
    public void setCheckBoxString(String checkBoxString) {
        this.checkBoxString = checkBoxString;
    }

    //checkBoxGroup
    private String[] checkBoxGroup;

    public String[] getCheckBoxGroup() {
        return checkBoxGroup;
    }
    public void setCheckBoxGroup(String[] checkBoxGroup) {
        this.checkBoxGroup = checkBoxGroup;
    }

    // fileUpdate
    private FormFile fileUpload;

    public FormFile getFileUpload() {
        return fileUpload;
    }
    public void setFileUpload(FormFile fileUpload) {
        this.fileUpload = fileUpload;
    }
}
```

```
}

// hidden
private String hidden;
private String[] hiddenArray;
private boolean hiddenBoolean;

public String getHidden() {
    return hidden;
}
public void setHidden(String hidden) {
    this.hidden = hidden;
}

public String[] getHiddenArray() {
    return hiddenArray;
}
public void setHiddenArray(String hiddenArray[]) {
    this.hiddenArray = hiddenArray;
}

public boolean isHiddenBoolean() {
    return hiddenBoolean;
}
public void setHiddenBoolean(boolean hiddenBoolean) {
    this.hiddenBoolean = hiddenBoolean;
}

// radioButtonGroup
private String radioButtonGroup;

public String getRadioButtonGroup() {
    return radioButtonGroup;
}
public void setRadioButtonGroup(String radioButtonGroup) {
    this.radioButtonGroup = radioButtonGroup;
}

// select
private String singleSelect;
private String[] multiSelect;

public String getSingleSelect() {
    return singleSelect;
}
public void setSingleSelect(String singleSelect) {
    this.singleSelect = singleSelect;
}

public String[] getMultiSelect() {
    return multiSelect;
}
public void setMultiSelect(String[] multiSelect) {
    this.multiSelect = multiSelect;
}
```

```
    }

    // textArea
    private String textArea;

    public String getTextArea() {
        return textArea;
    }
    public void setTextArea(String textArea) {
        this.textArea = textArea;
    }

    // textBox
    private String textBox;

    public String getTextBox() {
        return textBox;
    }
    public void setTextBox(String textBox) {
        this.textBox = textBox;
    }
}
}
```

### 3. formText.jsp

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ taglib uri="http://beehive.apache.org/netui/tags-html-1.0"
prefix="netui" %>
<%@ taglib uri="http://beehive.apache.org/netui/tags-databinding-1.0"
prefix="db"%>

<netui:html>
    <head>
        <title>Form Test</title>
        <netui:base />
    </head>
    <netui:body>
        <h4>Form Test</h4>
        <p style="color:green">This test maps all of the basic types of
NetUI form controls to their
        underlying data types.
        </p>
        <netui:form action="submit" enctype="multipart/form-data">
            <table border='1' cellspacing="0" cellpadding="0">
                <tr><td valign="top">
                    <h4 style="color:blue">CheckBox</h4>
                    <table>
                        <tr><th align="right">CheckBox
[boolean]</th><td><netui:checkBox
dataSource="actionForm.checkBox"/></td></tr>
```

```

        <tr><th align="right">CheckBox
[ java.lang.Boolean]</th><td><netui:checkBox
dataSource="actionForm.checkBoxBoolean"/></td></tr>
        <tr><th align="right">CheckBox
[ java.lang.String]</th><td><netui:checkBox
dataSource="actionForm.checkBoxString"/></td></tr>
    </table>
    </td><td valign="top">
        <h4 style="color:blue">CheckBoxGroup</h4>
        <table>
            <tr><th align="right"
valign="top">CheckBoxGroup</th><td>
                <netui:checkBoxGroup
dataSource="actionForm.checkBoxGroup" orientation="vertical">
                    <netui:checkBoxOption value="Check One"/>
                    <netui:checkBoxOption value="Check Two"/>
                    <netui:checkBoxOption value="Check Three"/>
                    <netui:checkBoxOption value="Check Four"/>
                </netui:checkBoxGroup>
            </td></tr>
        </table>
    </td></tr>
    <tr><td valign="top">
        <h4 style="color:blue">FileUpload</h4>
        <table>
            <tr><th
align="right">FileUpload</th><td><netui:fileUpload
dataSource="actionForm.fileUpload"/></td></tr>
        </table>
    </td><td valign="top">
        <h4 style="color:blue">Hidden</h4>
        <table>
            <tr><th align="right">Hidden</th><td><netui:hidden
dataInput="{pageFlow.hidden}" dataSource="actionForm.hidden"/></td></tr>
            <tr><th align="right">Hidden
Array[0]</th><td><netui:hidden dataInput="{pageFlow.hiddenArray[0]}"
dataSource="actionForm.hiddenArray"/></td></tr>
            <tr><th align="right">Hidden
Array[1]</th><td><netui:hidden dataInput="{pageFlow.hiddenArray[1]}"
dataSource="actionForm.hiddenArray"/></td></tr>
            <tr><th align="right">Hidden</th><td><netui:hidden
dataInput="{pageFlow.hiddenBoolean}"
dataSource="actionForm.hiddenBoolean"/></td></tr>
        </table>
    </td></tr>
    <tr><td valign="top">
        <h4 style="color:blue">RadioButtonGroup</h4>
        <table>
            <tr><th align="right"
valign="top">RadioButtonGroup</th><td>
                <netui:radioButtonGroup
dataSource="actionForm.radioButtonGroup" orientation="vertical">
                    <netui:radioButtonOption value="Radio One"/>
                    <netui:radioButtonOption value="Radio Two"/>

```

```

        <netui:radioButtonOption value="Radio Three"/>
        <netui:radioButtonOption value="Radio Four"/>
    </netui:radioButtonGroup>
</td></tr>
</table>
</td><td valign="top">
    <h4 style="color:blue">Select</h4>
    <table>
        <tr><th align="right">SingleSelect</th><td>
            <netui:select
dataSource="actionForm.singleSelect">
                <netui:selectOption
value="SelectOne">Select One</netui:selectOption>
                <netui:selectOption
value="SelectTwo">Select Two</netui:selectOption>
                <netui:selectOption
value="SelectThree">Select Three</netui:selectOption>
                <netui:selectOption
value="SelectFour">Select Four</netui:selectOption>
            </netui:select>
        </td></tr>
        <tr><th align="right">MulitSelect</th><td>
            <netui:select multiple="true"
dataSource="actionForm.multiSelect">
                <netui:selectOption
value="SelectOne">Select One</netui:selectOption>
                <netui:selectOption
value="SelectTwo">Select Two</netui:selectOption>
                <netui:selectOption
value="SelectThree">Select Three</netui:selectOption>
                <netui:selectOption
value="SelectFour">Select Four</netui:selectOption>
            </netui:select>
        </td></tr>
    </table>
</td></tr>
<tr><td valign="top">
    <h4 style="color:blue">TextArea</h4>
    <p><netui:textArea dataSource="actionForm.textArea"
/></p>
</td><td valign="top">
    <h4 style="color:blue">TextBox</h4>
    <p><netui:textBox dataSource="actionForm.textBox"
/></p>
</td></tr>
<tr><th align="right">Button</th><td><netui:button
type="submit">Submit the Form</netui:button></td></tr>
<tr><th
align="right">ImageButton</th><td><netui:imageButton
src="insert.gif"/></td></tr>
<tr><th align="right">Anchor</th><td><netui:anchor
formSubmit="true">Submit Form Through a Link</netui:anchor></td></tr>
</table>
</netui:form>

```

```

    </netui:body>
</netui:html>

```

## 4. results.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="http://beehive.apache.org/netui/tags-html-1.0"
prefix="netui" %>
<%@ taglib uri="http://beehive.apache.org/netui/tags-databinding-1.0"
prefix="netui-data"%>
<netui-data:declarePageInput name="bean" type="FormBean" />
<netui:html>
  <head>
    <title>Form Post Results</title>
    <netui:base/>
  </head>
  <netui:body>
    <h4>Form Post Requests</h4>
    <p style="color:green">This page displays the results of the form
post. The posted form
    is passed to the page as a PageInput. We then bind to the
pageInput and display all
    of the resulting values.
  </p>
    <table border='1' cellspacing="0" cellpadding="0">
      <tr><td valign="top">
        <h4 style="color:blue">CheckBox</h4>
        <table>
          <tr><th align="right">CheckBox
[boolean]</th><td>${pageInput.bean.checkBox}</td></tr>
          <tr><th align="right">CheckBox
[java.lang.Boolean]</th><td>${pageInput.bean.checkBoxBoolean}</td></tr>
          <tr><th align="right">CheckBox
[java.lang.String]</th><td>${pageInput.bean.checkBoxString}</td></tr>
        </table>
      </td><td valign="top">
        <h4 style="color:blue">CheckBoxGroup</h4>
        <table>
          <netui-data:repeater
dataSource="pageInput.bean.checkBoxGroup">
            <tr><td>${container.item}</td></tr>
          </netui-data:repeater>
        </table>
      </td></tr>
      <tr><td valign="top">
        <h4 style="color:blue">FileUpload</h4>
        <p>
          File Name: ${pageInput.bean.fileUpload.fileName}<br>
          File Size: ${pageInput.bean.fileUpload.fileSize}<br>
        </p>

```



```

        </td><td valign="top">
            <h4 style="color:blue">Hidden</h4>
            <table>
                <tr><th
align="right">Hidden</th><td>${pageInput.bean.hidden}</td></tr>
                <tr><th align="right">Hidden
Array[0]</th><td>${pageInput.bean.hiddenArray[0]}</td></tr>
                <tr><th align="right">Hidden
Array[1]</th><td>${pageInput.bean.hiddenArray[1]}</td></tr>
                <tr><th
align="right">HiddenBoolean</th><td>${pageInput.bean.hiddenBoolean}</td></tr>
            </table>
        </td></tr>
        <tr><td valign="top">
            <h4 style="color:blue">RadioButtonGroup</h4>
            <table>
                <netui-data:repeater
dataSource="pageInput.bean.radioButtonGroup">
                    <tr><td>${container.item}</td></tr>
                </netui-data:repeater>
            </table>
        </td><td valign="top">
            <h4 style="color:blue">Select</h4>
            <table>
                <tr><th
align="right">SingleSelect</th><td>${pageInput.bean.singleSelect}</td></tr>
                <tr><th align="right">SingleSelect</th>
                    <td>
                        <table>
                            <netui-data:repeater
dataSource="pageInput.bean.multiSelect">
                                <tr><td>${container.item}</td></tr>
                            </netui-data:repeater>
                        </table>
                    </td></tr>
                </table>
            </td></tr>
        <tr><td valign="top">
            <h4 style="color:blue">TextArea</h4>
            <p>
                ${pageInput.bean.textArea}<br>
            </p>
        </td><td valign="top">
            <h4 style="color:blue">TextBox</h4>
            <p>
                ${pageInput.bean.textBox}<br>
            </p>
        </td></tr>
    </table>
    <netui:anchor action="begin">Return to Form</netui:anchor>
</netui:body>
</netui:html>

```