

JSF - H:SELECTONELISTBOX

http://www.tutorialspoint.com/jsf/jsf_selectonelistbox_tag.htm

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The h:selectOneListbox tag renders an HTML input element of the type "select" with size specified.

JSF Tag

```
<h:selectOneListbox value="#{userData.data}">
  <f:selectItem itemValue="1" itemLabel="Item 1" />
  <f:selectItem itemValue="2" itemLabel="Item 2" />
</h:selectOneListbox>
```

Rendered Output

```
<select name="j_idt6:j_idt8" size="2">
  <option value="1">Item 1</option>
  <option value="2">Item 2</option>
</select>
```

Tag Attributes

S.N.	Attribute & Description
1	id Identifier for a component
2	binding Reference to the component that can be used in a backing bean
3	rendered A boolean; false suppresses rendering
4	styleClass Cascading stylesheet CSS class name
5	value A component's value, typically a value binding
6	valueChangeListener A method binding to a method that responds to value changes
7	converter Converter class name
8	validator Class name of a validator that's created and attached to a component
9	required

A boolean; if true, requires a value to be entered in the associated field

10 **accesskey**

A key, typically combined with a system-defined metakey, that gives focus to an element

11 **accept**

Comma-separated list of content types for a form

12 **accept-charset**

Comma- or space-separated list of character encodings for a form. The **accept-charset** attribute is specified with the JSF HTML attribute named **acceptcharset**.

13 **alt**

Alternative text for nontextual elements such as images or applets

14 **charset**

Character encoding for a linked resource

15 **coords**

Coordinates for an element whose shape is a rectangle, circle, or polygon

16 **dir**

Direction for text. Valid values are **ltr** *lefttoright* and **rtl** *righttoleft*.

17 **disabled**

Disabled state of an input element or button

18 **hreflang**

Base language of a resource specified with the **href** attribute; **hreflang** may only be used with **href**.

19 **lang**

Base language of an element's attributes and text

20 **maxlength**

Maximum number of characters for text fields

21 **readonly**

Read-only state of an input field; text can be selected in a readonly field but not edited

22 **rel**

Relationship between the current document and a link specified with the **href** attribute

23	rev	Reverse link from the anchor specified with href to the current document. The value of the attribute is a space-separated list of link types.
24	rows	Number of visible rows in a text area. h:dataTable has a rows attribute, but it's not an HTML pass-through attribute.
25	shape	Shape of a region. Valid values: default, rect, circle, poly . <i>default signifies the entire region</i>
26	style	Inline style information
27	tabindex	Numerical value specifying a tab index
28	target	The name of a frame in which a document is opened
29	title	A title, used for accessibility, that describes an element. Visual browsers typically create tooltips for the title's value
30	type	Type of a link; for example, stylesheet
31	width	Width of an element
32	onblur	Element loses focus
33	onchange	Element's value changes
34	onclick	Mouse button is clicked over the element
35	ondblclick	Mouse button is double-clicked over the element
36	onfocus	

Element receives focus

37 **onkeydown**

Key is pressed

38 **onkeypress**

Key is pressed and subsequently released

39 **onkeyup**

Key is released

40 **onmousedown**

Mouse button is pressed over the element

41 **onmousemove**

Mouse moves over the element

42 **onmouseout**

Mouse leaves the element's area

43 **onmouseover**

Mouse moves onto an element

44 **onmouseup**

Mouse button is released

45 **onreset**

Form is reset

46 **onselect**

Text is selected in an input field

47 **size**

Size of input field

Example Application

Let us create a test JSF application to test the above tag.

Step	Description
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1	Create a project with a name <i>helloworld</i> under a package <i>com.tutorialspoint.test</i> as explained in the <i>JSF - First Application</i> chapter.
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- 2 Modify *home.xhtml* as explained below. Keep rest of the files unchanged.
- 3 Create *result.xhtml* in the webapps directory as explained below.
- 4 Create *UserData.java* as a managed bean under package *com.tutorialspoint.test* as explained below.
- 5 Compile and run the application to make sure business logic is working as per the requirements.
- 6 Finally, build the application in the form of war file and deploy it in Apache Tomcat Webserver.
- 7 Launch your web application using appropriate URL as explained below in the last step.

UserData.java

```
package com.tutorialspoint.test;

import java.io.Serializable;

import javax.faces.bean.ManagedBean;
import javax.faces.bean.SessionScoped;

@ManagedBean(name = "userData", eager = true)
@SessionScoped
public class UserData implements Serializable {

    private static final long serialVersionUID = 1L;

    public String data = "1";

    public String getData() {
        return data;
    }

    public void setData(String data) {
        this.data = data;
    }
}
```

home.xhtml

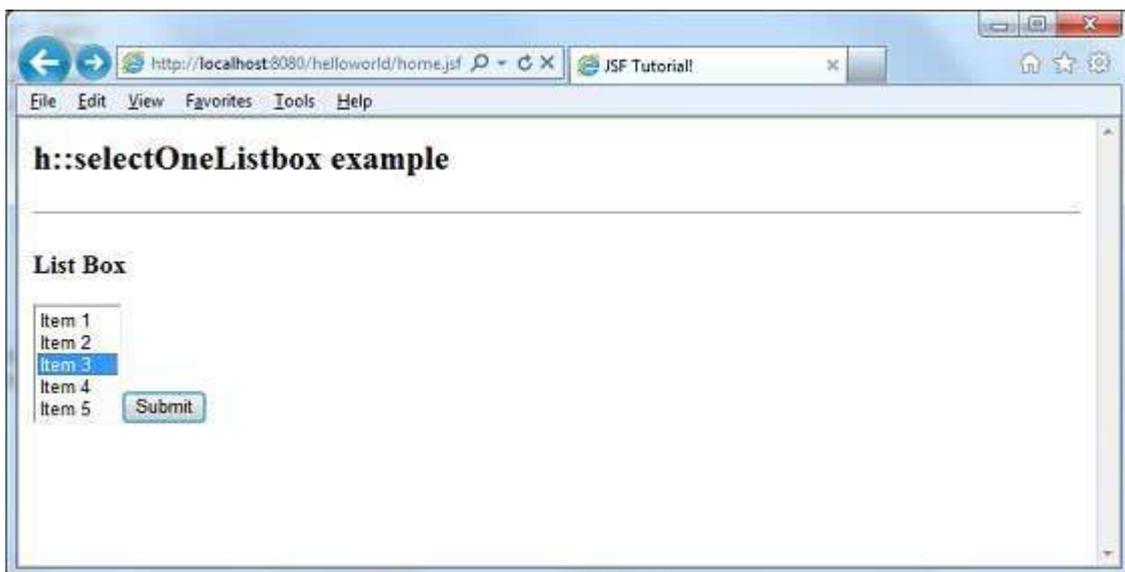
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:f="http://java.sun.com/jsf/core"
xmlns:h="http://java.sun.com/jsf/html">
<head>
<title>JSF Tutorial!</title>
</head>
<h:body>
<h2>h::selectOneListbox example</h2>
<hr />
<h:form>
<h3>List Box</h3>
<h:selectOneListbox value="#{userData.data}">
<f:selectItem itemValue="1" itemLabel="Item 1" />
<f:selectItem itemValue="2" itemLabel="Item 2" />
<f:selectItem itemValue="3" itemLabel="Item 3" />
<f:selectItem itemValue="4" itemLabel="Item 4" />
<f:selectItem itemValue="5" itemLabel="Item 5" />
</h:selectOneListbox>
<h:commandButton value="Submit" action="result" />
</h:form>
```

```
</h:body>
</html>
```

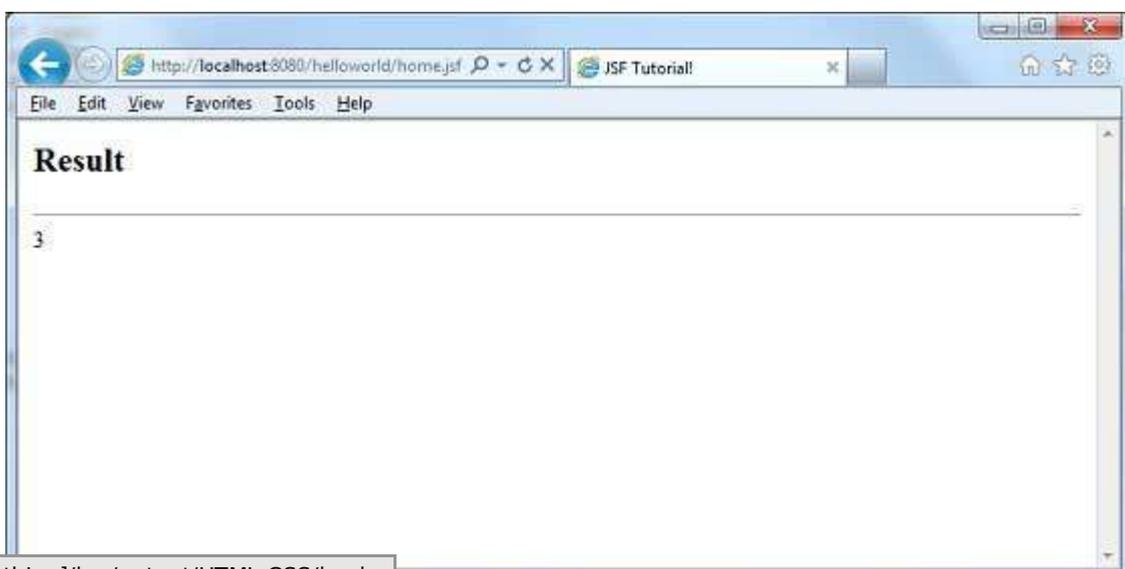
result.xhtml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:f="http://java.sun.com/jsf/core"
xmlns:h="http://java.sun.com/jsf/html"
xmlns:ui="http://java.sun.com/jsf/facelets">
<head>
<title>JSF Tutorial!</title>
</head>
<h:body>
<h2>Result</h2>
<hr />
#{userData.data}
</h:body>
</html>
```

Once you are ready with all the changes done, let us compile and run the application as we did in JSF - First Application chapter. If everything is fine with your application, this will produce following result:



Select any option and press **Submit** button. We've selected item 3. You will see the selected results.



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