**apex:selectCheckboxes**

## Example

[view source](https://developer.salesforce.com/docs/#viewSource)

[print](https://developer.salesforce.com/docs/#printSource)[?](https://developer.salesforce.com/docs/#about)

|  |  |
| --- | --- |
| 01 | <!-- Page: --> |
| 02 | <apex:page controller="sampleCon"> | |

|  |  |
| --- | --- |
| 03 | <apex:form> |
| 04 | <apex:selectCheckboxes value="{!countries}"> | |

|  |  |  |
| --- | --- | --- |
| 05 | <apex:selectOptions value="{!items}"/> | |
| 06 | </apex:selectCheckboxes><br/> |

|  |  |  |
| --- | --- | --- |
| 07 | <apex:commandButton value="Test" action="{!test}" rerender="out" status="status"/> | |
| 08 | </apex:form> |

|  |  |
| --- | --- |
| 09 | <apex:outputPanel id="out"> |
| 10 | <apex:actionstatus id="status" startText="testing..."> | |

|  |  |  |
| --- | --- | --- |
| 11 | <apex:facet name="stop"> | |
| 12 | <apex:outputPanel> |

|  |  |
| --- | --- |
| 13 | <p>You have selected:</p> |
| 14 | <apex:dataList value="{!countries}" var="c">{!c}</apex:dataList> | |

|  |  |  |
| --- | --- | --- |
| 15 | </apex:outputPanel> | |
| 16 | </apex:facet> |

|  |  |  |
| --- | --- | --- |
| 17 | </apex:actionstatus> | |
| 18 | </apex:outputPanel> |

|  |  |  |
| --- | --- | --- |
| 19 | </apex:page> | |
| 20 |  |

|  |  |
| --- | --- |
| 21 | /\*\*\* Controller: \*\*\*/ |
| 22 | public class sampleCon { | |

|  |  |  |
| --- | --- | --- |
| 23 | String[] countries = new String[]{}; | |
| 24 |  |

|  |  |  |
| --- | --- | --- |
| 25 | public PageReference test() { | |
| 26 | return null; |

|  |  |  |
| --- | --- | --- |
| 27 | } | |
| 28 |  |

|  |  |
| --- | --- |
| 29 | public List<SelectOption> getItems() { |
| 30 | List<SelectOption> options = new List<SelectOption>(); | |

|  |  |
| --- | --- |
| 31 | options.add(new SelectOption('US','US')); |
| 32 | options.add(new SelectOption('CANADA','Canada')); | |

|  |  |  |
| --- | --- | --- |
| 33 | options.add(new SelectOption('MEXICO','Mexico')); | |
| 34 |  |

|  |  |  |
| --- | --- | --- |
| 35 | return options; | |
| 36 | } |

|  |  |
| --- | --- |
| 37 |  |
| 38 | public String[] getCountries() { | |

|  |  |  |
| --- | --- | --- |
| 39 | return countries; | |
| 40 | } |

|  |  |
| --- | --- |
| 41 |  |
| 42 | public void setCountries(String[] countries) { | |

|  |  |  |
| --- | --- | --- |
| 43 | this.countries = countries; | |
| 44 | } |

|  |  |
| --- | --- |
| 45 | } |

## Attributes

| **Attribute Name** | **Attribute Type** | **Description** | **Required?** | **API Version** | **Access** |
| --- | --- | --- | --- | --- | --- |
| accesskey | String | The keyboard access key that puts the selectCheckboxes component in focus. When the selectCheckboxes component is in focus, users can use the keyboard to select and deselect individual checkbox options. |  | 10.0 | global |
| border | Integer | The width of the frame around the rendered HTML table, in pixels. |  | 10.0 | global |
| borderVisible | Boolean | Controls whether the border around the <fieldset> that wraps the checkboxes table is visible or hidden. The default value is false, there is no border. |  | 29.0 |  |
| dir | String | The direction in which the generated HTML component should be read. Possible values include "RTL" (right to left) or "LTR" (left to right). |  | 10.0 | global |
| disabled | Boolean | A Boolean value that specifies whether the selectCheckboxes component should be displayed in a disabled state. If set to true, the checkboxes appear disabled. If not specified, this value defaults to false. |  | 10.0 | global |
| disabledClass | String | The style class used to display the selectCheckboxes component when the disabled attribute is set to true, used primarily to designate which CSS styles are applied when using an external CSS stylesheet. |  | 10.0 | global |
| enabledClass | String | The style class used to display the selectCheckboxes component when the disabled attribute is set to false, used primarily to designate which CSS styles are applied when using an external CSS stylesheet. |  | 10.0 | global |
| id | String | An identifier that allows the selectCheckboxes component to be referenced by other components in the page. |  | 10.0 | global |
| immediate | Boolean | A Boolean value that specifies whether the action associated with this component should happen immediately, without processing any validation rules associated with the fields on the page. If set to true, the action happens immediately and validation rules are skipped. If not specified, this value defaults to false. |  | 11.0 | global |
| label | String | A text value that allows to display a label next to the control and reference the control in the error message |  | 23.0 |  |
| lang | String | The base language for the generated HTML output, for example, "en" or "en-US". For more information on this attribute, see [the W3C specifications](http://www.w3.org/TR/REC-html40/struct/dirlang.html). |  | 10.0 | global |
| layout | String | The method by which checkboxes should be displayed in the table. Possible values include "lineDirection", in which checkboxes are placed horizontally, or "pageDirection", in which checkboxes are placed vertically. If not specified, this value defaults to "lineDirection". |  | 10.0 | global |
| legendInvisible | Boolean | Controls whether the legend text is displayed or hidden. The default value is false, the legend text is displayed for all users.  When set to true, the <legend> has a styling attribute added, class="assistiveText", which preserves the legend text in the DOM, but moves the display off-screen. This makes the text accessible to screen readers, without being displayed visually. |  | 29.0 |  |
| legendText | String | The text to be displayed as a legend for the checkboxes group. When the border is visible, the legend is inlaid along the top-left edge of the border. When legendText is an empty string, or not set, no legend is added. |  | 29.0 |  |
| onblur | String | The JavaScript invoked if the onblur event occurs--that is, if the focus moves off of the selectCheckboxes component. |  | 10.0 | global |
| onchange | String | The JavaScript invoked if the onchange event occurs--that is, if the value of any checkbox in the selectCheckboxes component changes. |  | 10.0 | global |
| onclick | String | The JavaScript invoked if the onclick event occurs--that is, if the user clicks the selectCheckboxes component. |  | 10.0 | global |
| ondblclick | String | The JavaScript invoked if the onclick event occurs--that is, if the user clicks the selectCheckboxes component twice. |  | 10.0 | global |
| onfocus | String | The JavaScript invoked if the onfocus event occurs--that is, if the focus is on the selectCheckboxes component. |  | 10.0 | global |
| onkeydown | String | The JavaScript invoked if the onkeydown event occurs--that is, if the user presses a keyboard key. |  | 10.0 | global |
| onkeypress | String | The JavaScript invoked if the onkeypress event occurs--that is, if the user presses or holds down a keyboard key. |  | 10.0 | global |
| onkeyup | String | The JavaScript invoked if the onkeyup event occurs--that is, if the user releases a keyboard key. |  | 10.0 | global |
| onmousedown | String | The JavaScript invoked if the onmousedown event occurs--that is, if the user clicks a mouse button. |  | 10.0 | global |
| onmousemove | String | The JavaScript invoked if the onmousemove event occurs--that is, if the user moves the mouse pointer. |  | 10.0 | global |
| onmouseout | String | The JavaScript invoked if the onmouseout event occurs--that is, if the user moves the mouse pointer away from the selectCheckboxes component. |  | 10.0 | global |
| onmouseover | String | The JavaScript invoked if the onmouseover event occurs--that is, if the user moves the mouse pointer over the selectCheckboxes component. |  | 10.0 | global |
| onmouseup | String | The JavaScript invoked if the onmouseup event occurs--that is, if the user releases the mouse button. |  | 10.0 | global |
| onselect | String | The JavaScript invoked if the onselect event occurs--that is, if the user selects a checkbox in the selectCheckboxes component. |  | 10.0 | global |
| readonly | Boolean | A Boolean value that specifies whether this selectCheckboxes component is rendered as read-only. If set to true, the checkbox values cannot be changed. If not selected, this value defaults to false. |  | 10.0 | global |
| rendered | Boolean | A Boolean value that specifies whether the component is rendered on the page. If not specified, this value defaults to true. |  | 10.0 | global |
| required | Boolean | A Boolean value that specifies whether this selectCheckboxes component is a required field. If set to true, the user must select one or more of these checkboxes. If not selected, this value defaults to false. |  | 10.0 | global |
| style | String | The style used to display the selectCheckboxes component, used primarily for adding inline CSS styles. |  | 10.0 | global |
| styleClass | String | The style class used to display the selectCheckboxes component, used primarily to designate which CSS styles are applied when using an external CSS stylesheet. |  | 10.0 | global |
| tabindex | String | The order in which this selectCheckboxes component is selected compared to other page components when a user presses the Tab key repeatedly. This value must be an integer between 0 and 32767, with component 0 being the first component that is selected when a user presses the Tab key. |  | 10.0 | global |
| title | String | The text to display as a tooltip when the user's mouse pointer hovers over this component. |  | 10.0 | global |
| value | Object | A merge field that references the controller class variable that is associated with this selectCheckboxes component. For example, if the name of the associated variable in the controller class is myCheckboxSelections use value="{!myCheckboxSelections}" to reference the variable. |  | 10.0 | global |

Select List / Dropdown

# apex:selectOption

A possible value for an <apex:selectCheckboxes> or <apex:selectList> component. The <apex:selectOption> component must be a child of one of those components.

## Example

|  |  |
| --- | --- |
| 01 | <!-- Page: --> |
| 02 | <apex:page controller="chooseColor"> | |

|  |  |
| --- | --- |
| 03 | <apex:form> |
| 04 | <apex:selectList id="chooseColor" value="{!string}" size="1"> | |

|  |  |
| --- | --- |
| 05 | <apex:selectOption itemValue="red" itemLabel="Red"/> |
| 06 | <apex:selectOption itemValue="white" itemLabel="White"/> | |

|  |  |  |
| --- | --- | --- |
| 07 | <apex:selectOption itemValue="blue" itemLabel="Blue"/> | |
| 08 | </apex:selectList> |

|  |  |  |
| --- | --- | --- |
| 09 | </apex:form> | |
| 10 | </apex:page> |

|  |  |
| --- | --- |
| 11 |  |
| 12 | /\*\*\* Controller \*\*\*/ | |

|  |  |
| --- | --- |
| 13 |  |
| 14 | public class chooseColor { | |

|  |  |  |
| --- | --- | --- |
| 15 | String s = 'blue'; | |
| 16 |  |

|  |  |  |
| --- | --- | --- |
| 17 | public String getString() { | |
| 18 | return s; |

|  |  |
| --- | --- |
| 19 | } |
| 20 |  | |

|  |  |  |
| --- | --- | --- |
| 21 | public void setString(String s) { | |
| 22 | this.s = s; |

|  |  |  |
| --- | --- | --- |
| 23 | } | |
| 24 | } |

The example above renders the following HTML:

|  |  |  |
| --- | --- | --- |
| 1 | <select id="chooseColor" name="chooseColor" size="1"> | |
| 2 | <option value="red">Red</option> |

|  |  |
| --- | --- |
| 3 | <option value="white">White</option> |
| 4 | <option value="blue" selected="selected">Blue</option> | |

|  |  |
| --- | --- |
| 5 | </select> |

## Attributes

| **Attribute Name** | **Attribute Type** | **Description** | **Required?** | **API Version** | **Access** |
| --- | --- | --- | --- | --- | --- |
| dir | String | The direction in which the generated HTML component should be read. Possible values include "RTL" (right to left) or "LTR" (left to right). |  | 10.0 | global |
| id | String | An identifier that allows the selectOption component to be referenced by other components in the page. |  | 10.0 | global |
| itemDescription | String | A description of the selectOption component, for use in development tools. |  | 10.0 | global |
| itemDisabled | Boolean | A Boolean value that specifies whether the selectOption component should be displayed in a disabled state. If set to true, the option appears disabled. If not specified, this value defaults to false. |  | 10.0 | global |
| itemEscaped | Boolean | A Boolean value that specifies whether sensitive HTML and XML characters should be escaped in the HTML output generated by this component. If not specified, this value defaults to true. For example, the only way to add a ">" symbol to a label is by using the symbol's escape sequence and setting itemEscaped="false". If you do not specify itemEscaped="false", the character escape sequence displays as written. |  | 10.0 | global |
| itemLabel | String | The label used to display this option to users. |  | 10.0 | global |
| itemValue | Object | The value sent to the server if this option is selected by the user. |  | 10.0 | global |
| lang | String | The base language for the generated HTML output, for example, "en" or "en-US". For more information on this attribute, see [the W3C specifications](http://www.w3.org/TR/REC-html40/struct/dirlang.html). |  | 10.0 | global |
| onclick | String | The JavaScript invoked if the onclick event occurs--that is, if the user clicks the selectOption component. |  | 10.0 | global |
| ondblclick | String | The JavaScript invoked if the onclick event occurs--that is, if the user clicks the selectOption component twice. |  | 10.0 | global |
| onkeydown | String | The JavaScript invoked if the onkeydown event occurs--that is, if the user presses a keyboard key. |  | 10.0 | global |
| onkeypress | String | The JavaScript invoked if the onkeypress event occurs--that is, if the user presses or holds down a keyboard key. |  | 10.0 | global |
| onkeyup | String | The JavaScript invoked if the onkeyup event occurs--that is, if the user releases a keyboard key. |  | 10.0 | global |
| onmousedown | String | The JavaScript invoked if the onmousedown event occurs--that is, if the user clicks a mouse button. |  | 10.0 | global |
| onmousemove | String | The JavaScript invoked if the onmousemove event occurs--that is, if the user moves the mouse pointer. |  | 10.0 | global |
| onmouseout | String | The JavaScript invoked if the onmouseout event occurs--that is, if the user moves the mouse pointer away from the selectOption. |  | 10.0 | global |
| onmouseover | String | The JavaScript invoked if the onmouseover event occurs--that is, if the user moves the mouse pointer over the selectOption. |  | 10.0 | global |
| onmouseup | String | The JavaScript invoked if the onmouseup event occurs--that is, if the user releases the mouse button. |  | 10.0 | global |
| rendered | Boolean | A Boolean value that specifies whether the component is rendered on the page. If not specified, this value defaults to true. |  | 10.0 | global |
| style | String | This attribute was deprecated in Salesforce API version 17.0 and has no effect on the page. |  | 10.0 | global |
| styleClass | String | This attribute was deprecated in Salesforce API version 17.0 and has no effect on the page. |  | 10.0 | global |
| title | String | The text to display as a tooltip when the user's mouse pointer hovers over this component. |  | 10.0 | global |
| value | Object | A merge field that references the controller class variable of type SelectOption that is associated with this selectOption component. For example, if the name of the associated variable in the controller class is myOption, use value="{!myOption}" to reference the variable. |  | 10.0 | global |

# apex:selectList

A list of options that allows users to select only one value or multiple values at a time, depending on the value of its multiselect attribute.

This component supports [HTML pass-through attributes](https://developer.salesforce.com/docs/atlas.en-us.214.0.pages.meta/pages/pages_html_features_pass_through_attributes.htm) using the "html-" prefix. Pass-through attributes are attached to the generated <select> tag.

## Example

|  |  |
| --- | --- |
| 01 | <!-- Page: --> |
| 02 | <apex:page controller="sampleCon"> | |

|  |  |
| --- | --- |
| 03 | <apex:form> |
| 04 | <apex:selectList value="{!countries}" multiselect="true"> | |

|  |  |  |
| --- | --- | --- |
| 05 | <apex:selectOptions value="{!items}"/> | |
| 06 | </apex:selectList><p/> |

|  |  |
| --- | --- |
| 07 |  |
| 08 | <apex:commandButton value="Test" action="{!test}" rerender="out" status="status"/> | |

|  |  |  |
| --- | --- | --- |
| 09 | </apex:form> | |
| 10 |  |

|  |  |
| --- | --- |
| 11 | <apex:outputPanel id="out"> |
| 12 | <apex:actionstatus id="status" startText="testing..."> | |

|  |  |  |
| --- | --- | --- |
| 13 | <apex:facet name="stop"> | |
| 14 | <apex:outputPanel> |

|  |  |
| --- | --- |
| 15 | <p>You have selected:</p> |
| 16 | <apex:dataList value="{!countries}" var="c">{!c}</apex:dataList> | |

|  |  |  |
| --- | --- | --- |
| 17 | </apex:outputPanel> | |
| 18 | </apex:facet> |

|  |  |  |
| --- | --- | --- |
| 19 | </apex:actionstatus> | |
| 20 | </apex:outputPanel> |

|  |  |  |
| --- | --- | --- |
| 21 | </apex:page> | |
| 22 |  |

|  |  |
| --- | --- |
| 23 | /\*\*\* Controller: \*\*\*/ |
| 24 | public class sampleCon { | |

|  |  |
| --- | --- |
| 25 | String[] countries = new String[]{}; |
| 26 | //If multiselect is false, countries must be of type String | |

|  |  |  |
| --- | --- | --- |
| 27 | //String countries; | |
| 28 |  |

|  |  |  |
| --- | --- | --- |
| 29 | public PageReference test() { | |
| 30 | return null; |

|  |  |
| --- | --- |
| 31 | } |
| 32 |  | |

|  |  |
| --- | --- |
| 33 | public List<SelectOption> getItems() { |
| 34 | List<SelectOption> options = new List<SelectOption>(); | |

|  |  |
| --- | --- |
| 35 | options.add(new SelectOption('US','US')); |
| 36 | options.add(new SelectOption('CANADA','Canada')); | |

|  |  |  |
| --- | --- | --- |
| 37 | options.add(new SelectOption('MEXICO','Mexico')); | |
| 38 | return options; |

|  |  |
| --- | --- |
| 39 | } |
| 40 |  | |

|  |  |
| --- | --- |
| 41 | public String[] getCountries() { |
| 42 | //If multiselect is false, countries must be of type String | |

|  |  |  |
| --- | --- | --- |
| 43 | return countries; | |
| 44 | } |

|  |  |
| --- | --- |
| 45 |  |
| 46 | public void setCountries(String[] countries) { | |

|  |  |  |
| --- | --- | --- |
| 47 | //If multiselect is false, countries must be of type String | |
| 48 | this.countries = countries; |

|  |  |  |
| --- | --- | --- |
| 49 | } | |
| 50 | } |

## Attributes

| **Attribute Name** | **Attribute Type** | **Description** | **Required?** | **API Version** | **Access** |
| --- | --- | --- | --- | --- | --- |
| accesskey | String | The keyboard access key that puts the selectList in focus. When the selectList is in focus, a user can select or deselect list options. |  | 10.0 | global |
| dir | String | The direction in which the generated HTML component should be read. Possible values include "RTL" (right to left) or "LTR" (left to right). |  | 10.0 | global |
| disabled | Boolean | A Boolean value that specifies whether this selectList should be displayed in a disabled state. If set to true, the selectList appears disabled. If not specified, this value defaults to false. |  | 10.0 | global |
| disabledClass | String | The style class used to display the selectList component when the disabled attribute is set to true, used primarily to designate which CSS styles are applied when using an external CSS stylesheet. |  | 10.0 | global |
| enabledClass | String | The style class used to display the selectList component when the disabled attribute is set to false, used primarily to designate which CSS styles are applied when using an external CSS stylesheet. |  | 10.0 | global |
| id | String | An identifier that allows the selectList component to be referenced by other components in the page. |  | 10.0 | global |
| label | String | A text value that allows to display a label next to the control and reference the control in the error message |  | 23.0 |  |
| lang | String | The base language for the generated HTML output, for example, "en" or "en-US". For more information on this attribute, see [the W3C specifications](http://www.w3.org/TR/REC-html40/struct/dirlang.html). |  | 10.0 | global |
| multiselect | Boolean | A Boolean value that specifies whether users can select more than one option as a time from this selectList. If set to true, users can select more than one option at a time. If not specified, this value defaults to false. If multiselect is true, the value attribute must be of type String[] or a List of strings. Otherwise, it must be of type String. |  | 10.0 | global |
| onblur | String | The JavaScript invoked if the onblur event occurs--that is, if the focus moves off of the selectList component. |  | 10.0 | global |
| onchange | String | The JavaScript invoked if the onchange event occurs--that is, if the value of the selectList component changes. |  | 10.0 | global |
| onclick | String | The JavaScript invoked if the onclick event occurs--that is, if the user clicks the selectList component. |  | 10.0 | global |
| ondblclick | String | The JavaScript invoked if the onclick event occurs--that is, if the user clicks the selectList component twice. |  | 10.0 | global |
| onfocus | String | The JavaScript invoked if the onfocus event occurs--that is, if the focus is on the selectList component. |  | 10.0 | global |
| onkeydown | String | The JavaScript invoked if the onkeydown event occurs--that is, if the user presses a keyboard key. |  | 10.0 | global |
| onkeypress | String | The JavaScript invoked if the onkeypress event occurs--that is, if the user presses or holds down a keyboard key. |  | 10.0 | global |
| onkeyup | String | The JavaScript invoked if the onkeyup event occurs--that is, if the user releases a keyboard key. |  | 10.0 | global |
| onmousedown | String | The JavaScript invoked if the onmousedown event occurs--that is, if the user clicks a mouse button. |  | 10.0 | global |
| onmousemove | String | The JavaScript invoked if the onmousemove event occurs--that is, if the user moves the mouse pointer. |  | 10.0 | global |
| onmouseout | String | The JavaScript invoked if the onmouseout event occurs--that is, if the user moves the mouse pointer away from the selectList component. |  | 10.0 | global |
| onmouseover | String | The JavaScript invoked if the onmouseover event occurs--that is, if the user moves the mouse pointer over the selectList component. |  | 10.0 | global |
| onmouseup | String | The JavaScript invoked if the onmouseup event occurs--that is, if the user releases the mouse button. |  | 10.0 | global |
| onselect | String | The JavaScript invoked if the onselect event occurs--that is, if the user selects an option in the selectList component. |  | 10.0 | global |
| readonly | Boolean | A Boolean value that specifies whether this selectList component is rendered as read-only. If set to true, the list option selections cannot be changed. If not selected, this value defaults to false. |  | 10.0 | global |
| rendered | Boolean | A Boolean value that specifies whether the component is rendered on the page. If not specified, this value defaults to true. |  | 10.0 | global |
| required | Boolean | A Boolean value that specifies whether this selectList component is a required field. If set to true, the user must select at least one list option. If not selected, this value defaults to false. |  | 10.0 | global |
| size | Integer | The number of selectList options displayed at one time. If this number is less than the total number of options, a scroll bar is displayed in the selectList. If not specified, all available options are displayed. |  | 10.0 | global |
| style | String | The style used to display the selectList component, used primarily for adding inline CSS styles. |  | 10.0 | global |
| styleClass | String | The style class used to display the selectList component, used primarily to designate which CSS styles are applied when using an external CSS stylesheet. |  | 10.0 | global |
| tabindex | String | The order in which this selectList component is selected compared to other page components when a user presses the Tab key repeatedly. This value must be an integer between 0 and 32767, with component 0 being the first component that is selected when a user presses the Tab key. |  | 10.0 | global |
| title | String | The text to display as a tooltip when the user's mouse pointer hovers over this component. |  | 10.0 | global |
| value | Object | A merge field that references the controller class variable that is associated with this selectList. For example, if the name of the associated variable in the controller class is myListSelections, use value="{!myListSelections}" to reference the variable. If multiselect is true, the value attribute must be of type String[] or a List of strings. Otherwise, it must be of type String. |  | 10.0 | global |