

# Y! YUI Library: AutoComplete

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v0.11

## Simple Use Case (AutoComplete)

### Markup:

```
<input id="myInput" type="text">
<div id="myContainer"></div>
```

### Script:

```
var myAutoComp = new YAHOO.widget.AutoComplete
    ("myInput", "myContainer", myDataSource);
```

Instantiates a new AutoComplete object, `myAutoComp`, which queries an existing DataSource `myDataSource`.

## Constructor (AutoComplete)

```
YAHOO.widget.AutoComplete(str html id or obj element
    reference, str html id or obj element reference[,
    obj configuration object]);
```

### Arguments:

- (1) **HTML element (string or object)**: HTML id string or element object of the text input or textarea element
- (2) **HTML element (string or object)**: HTML id string or element object of container div element.
- (2) **Configuration object (object)**: An optional object literal defines property values of an AutoComplete instance.

## Constructors (DataSource Classes)

```
YAHOO.widget.DS_JsArray(array js array[, obj
    configuration object]);
```

### Arguments:

- (1) **JS Array (array)**: A JavaScript array of strings.
- (2) **Configuration object (object)**: An optional object literal defines property values of a DataSource instance.

```
YAHOO.widget.DS_JsFunction(function js function[,
    obj configuration object]);
```

### Arguments:

- (1) **JS Function (function)**: A JavaScript function which returns an array of strings.
- (2) **Configuration object (object)**: See above.

```
YAHOO.widget.DS_XHR(string script uri, array
    schema[, obj configuration object]);
```

### Arguments:

- (1) **Script URI (string)**: Server URI (local domains only – use a proxy for remote domains).
- (2) **Schema (array)**: Schema description of server response data.
- (3) **Configuration object (object)**: See above.

## Interesting Moments (AutoComplete)

Event	Arguments (passed via <i>args</i> array)
textBoxFocusEvent/ textBoxBlurEvent	[0] AC instance
textBoxKeyEvent	[0] AC instance; [1] keycode int
dataRequestEvent/ dataErrorEvent	[0] AC instance; [1] query string
dataReturnEvent	[0] AC instance; [1] query string; [2] results array
containerExpandEvent/ containerCollapseEvent	[0] AC instance
itemArrowToEvent/ itemArrowFromEvent	[0] AC instance; [1] <li> element
itemMouseOverEvent/ itemMouseOutEvent	[0] AC instance; [1] <li> element
itemSelectEvent	[0] AC instance; [1] <li> element; [2] item data object or array
selectionEnforceEvent	[0] AC instance
unmatchedItemSelectEvent	[0] AC instance; [1] user selected string
typeAheadEvent	[0] AC instance; [1] query string; [2] prefill string
Subscribe to AutoComplete Custom Events on your AutoComplete instance: <code>myAC.containerExpandEvent.subscribe(myFn[, myObj, bScope]);</code>	

## Simple Use Case (DataSource)

```
var myDataSource = new YAHOO.widget.DS_JsArray(
    ["a", "b", "c"]);
```

Instantiates a new DataSource object, `myDataSource`, which is an array of strings that queries can be matched against.

## Custom Formatting (AutoComplete)

The `formatResult` function gets passed (1) an array that holds result data and (2) the original query string. Override this function to return custom markup to populate each <li> element in the container.

```
myAC.formatResult = function(aResultItem, sQuery) {
    var sKey = aResultItem[0]; //the query match key
    // Additional data mapped by schema
    var attributel = aResultItem[1];
    var attributen = aResultItem[n];
}
```

## Dependencies

AutoComplete requires the YAHOO object, Dom, and Event; Connection Manager and Animation are optional.

YAHOO.widget.  
AutoComplete  
Properties:

**animVert** (b)  
**animHoriz** (b)  
**animSpeed** (int)  
**delimChar** (char || array)  
**maxResultsDisplayed** (int)  
**minQueryLength** (int)  
**queryDelay** (int)  
**autoHighlight** (b)  
**highlightClassName** (string)  
**prehighlightClass** (string)  
**Name** (string)  
**useShadow** (b)  
**useFrame** (b)  
**forceSelection** (b)  
**typeAhead** (b)  
**allowBrowser** (b)  
**Autocomplete** (b)  
**alwaysShowContainer** (b)

YAHOO.widget.  
DataSource Properties:

**maxCacheEntries** (int)  
**queryMatchCase** (b)  
**queryMatchContains** (b)  
**queryMatchSubset** (b)

YAHOO.widget.DS\_XHR  
Properties:

**responseType** (constant) TYPE\_FLAT, TYPE\_JSON, or TYPE\_XML  
**scriptQueryParam** (string)  
**scriptQueryAppend** (string)  
**responseStripAfter** (string)  
**connTimeout** (int)