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## Alphabetical Quick Reference

Having an entire chapter devoted to quick reference might seem redundant in a reference book. Still, it is quite a common experience to know the name of a function (or at least have a general idea of the function's name), but not know exactly what the function does. This alphabetical list is intended to help during those times when we need to quickly confirm a feature of the library and provide a pointer to the page where more detailed information is discussed.

### Selector expressions

Modelled after the W3C's CSS 1-3 specification, jQuery's selector expressions are the primary means for finding elements on a page so that they can then be acted upon. All of the selectors in the following table are listed bare – not wrapped in the `$()` function – for easier and quicker browsing:

Expression	Description	Page
<code>*</code>	Select all elements	26
<code>T</code>	Select all elements that have a tag name of <code>T</code>	17
<code>#myid</code>	Select the unique element with an ID equal to <code>myid</code>	18
<code>.myclass</code>	Select all elements that have a class of <code>myclass</code>	18
<code>[foo]</code>	Select all elements that have the <code>foo</code> attribute with any value	27
<code>[foo=bar]</code>	Select all elements that have the <code>foo</code> attribute with a value exactly equal to <code>bar</code>	27
<code>[foo!=bar]</code>	Select all elements that do <i>not</i> have the <code>foo</code> attribute, or have a <code>foo</code> attribute but with a value other than <code>bar</code>	27

Expression	Description	Page
[foo^=bar]	Select all elements that have the foo attribute with a value <i>beginning</i> exactly with the string bar	28
[foo\$=bar]	Select all elements that have the foo attribute with a value <i>ending</i> exactly with the string bar	28
[foo*=bar]	Select all elements that have the foo attribute with a value <i>containing</i> the substring bar	28
[foo~=bar]	Select all elements that have the foo attribute with a value containing the word bar, delimited by spaces	29
[foo =bar]	Select all elements that have the foo attribute with a value either equal to bar, or beginning with bar and a hyphen (-).	29
E F	Select all elements matched by F that are descendants of an element matched by E	19
E > F	Select all elements matched by F that are children of an element matched by E	20
E + F	Select all elements matched by F that <i>immediately</i> follow and have the same parent as an element matched by E	20
E ~ F	Select all elements matched by F that follow and have the same parent as an element matched by E	21
E, F, G	Select all elements matched by any of the selector expressions E, F, or G	22
:animated	Select all elements that are in the progress of an animation at the time the selector is run	37
:button	Select all button elements and input elements with a type of button (<button>, <input type="button">)	30
:checkbox	Select all checkbox fields (<input type="checkbox">)	30
:checked	Select all form elements—checkboxes and radio buttons—that are checked	31
:contains(text)	Select all elements that contain the specified text	35
:disabled	Select all form elements that are disabled (that is, they have the disabled attribute and users cannot interact with them)	31
:empty	Select all elements that have no children (including text nodes)	25

Expression	Description	Page
:enabled	Select all form elements that are enabled (that is, they do not have the <code>disabled</code> attribute and users can interact with them)	30
:eq(n)	Select the element at index <code>n</code> within the matched set	31
:even	Select all elements with an even index within the matched set	33
:file	Select all file upload fields ( <code>&lt;input type="file"&gt;</code> )	30
:first	Select the first element within the matched set	32
:first-child	Select all elements that are the first child of their parent element	24
:gt(n)	Select all elements at an index greater than <code>n</code> within the matched set	32
:has(E)	Select all elements that contain an element matching <code>E</code>	35
:header	Select all elements that are headers, such as <code>&lt;h1&gt;</code> or <code>&lt;h2&gt;</code>	37
:hidden	Select all elements that are hidden	37
:image	Select all image inputs ( <code>&lt;input type="image"&gt;</code> )	30
:input	Select all form elements ( <code>&lt;input&gt;</code> (all types), <code>&lt;select&gt;</code> , <code>&lt;textarea&gt;</code> , <code>&lt;button&gt;</code> )	30
:last	Select the last element within the matched set	33
:last-child	Select all elements that are the last child of their parent element	24
:lt(n)	Select all elements at an index less than <code>n</code> within the matched set	32
:not(E)	Select all elements that do not match the selector expression <code>E</code>	25
:nth-child(n)	Select all elements that are the <code>n</code> th child of their parent	22
:nth-child(even)		
:nth-child(odd)		
:nth-child(expr)		
:odd	Select all elements with an odd index within the matched set	34

Expression	Description	Page
:only-child	Select all elements that are the only child of their parent element	25
:parent	Select all elements that are the parent of another element, including text nodes	34
:password	Select all password fields ( <code>&lt;input type="password"&gt;</code> )	30
:radio	Select all radio button fields ( <code>&lt;input type="radio"&gt;</code> )	30
:reset	Select all reset buttons ( <code>&lt;input type="reset"&gt;</code> )	30
:selected	Select all form elements (effectively, <code>&lt;option&gt;</code> elements) that are currently selected	31
:submit	Select all submit inputs and button elements ( <code>&lt;input type="submit"&gt;</code> , <code>&lt;button&gt;</code> )	30
:text	Select all text fields ( <code>&lt;input type="text"&gt;</code> )	30
:visible	Select all elements that are visible	36

## Methods

Every method in the jQuery library is listed in the following table. Methods that begin with a period (.) can be chained to a jQuery object created with `$()` or another method, and typically act on a set of DOM elements. Those that begin with `$.` are not chainable and typically act on a non-DOM object (such as the `XMLHttpRequest` object or a user-defined object).

Method	Description	Page
<code>.add(selector)</code> <code>.add(elements)</code> <code>.add(html)</code>	Add elements to the set of matched elements	68
<code>.addClass(className)</code> <code>.addClass(function)</code>	Add one or more classes to each element in the set of matched elements	92
<code>.after(content)</code> <code>.after(function)</code>	Insert content, specified by the parameter, after each element in the set of matched elements	114
<code>\$.ajax(settings)</code>	Perform an asynchronous HTTP (AJAX) request	203
<code>.ajaxComplete(handler)</code>	Register a handler to be called when AJAX requests complete	215

Method	Description	Page
<code>.ajaxError(handler)</code>	Register a handler to be called when AJAX requests complete with an error	217
<code>.ajaxSend(handler)</code>	Register a handler to be called when AJAX requests are begun	218
<code>\$.ajaxSetup(settings)</code>	Set default values for future AJAX requests	209
<code>.ajaxStart(handler)</code>	Register a handler to be called when the first AJAX request begins	219
<code>.ajaxStop(handler)</code>	Register a handler to be called when all AJAX requests have completed	220
<code>.ajaxSuccess(handler)</code>	Register a handler to be called when AJAX requests complete and are successful	221
<code>.andSelf()</code>	Add the previous set of elements on the stack to the current set	72
<code>.animate(properties[, duration][, easing][, callback])</code> <code>.animate(properties, options)</code>	Perform a custom animation of a set of CSS properties	193
<code>.append(content)</code> <code>.append(function)</code>	Insert content, specified by the parameter, at the end of each element in the set of matched elements	108
<code>.appendTo(target)</code>	Insert every element in the set of matched elements at the end of the target	109
<code>.attr(attributeName)</code>	Get the value of an attribute for the first element in the set of matched elements	77
<code>.attr(attributeName, value)</code> <code>.attr(map)</code> <code>.attr(attributeName, function)</code>	Set one or more attributes for the set of matched elements	78
<code>.before(content)</code> <code>.before(function)</code>	Insert content, specified by the parameter, before each element in the set of matched elements	111

Method	Description	Page
<code>.bind(eventType[, eventData], handler)</code>	Attach a handler to an event for the elements	127
<code>.blur(handler)</code> <code>.blur()</code>	Bind an event handler to the blur JavaScript event, or trigger that event on an element	163
<code>.change(handler)</code> <code>.change()</code>	Bind an event handler to the change JavaScript event, or trigger that event on an element	165
<code>.children([selector])</code>	Get the children of each element in the set of matched elements, optionally filtered by a selector	52
<code>.clearQueue([queueName])</code>	Remove from the queue all items that have not yet been executed	202
<code>.click(handler)</code> <code>.click()</code>	Bind an event handler to the click JavaScript event, or trigger that event on an element	148
<code>.clone([withEvents])</code>	Create a copy of the set of matched elements	121
<code>.closest(selector[, context])</code>	Get the first element that matches the selector, beginning at the current element and progressing up through the DOM tree	57
<code>.contents()</code>	Get the children of each element in the set of matched elements, including text nodes	74
<code>.css(propertyName)</code>	Get the value of a style property for the first element in the set of matched elements	80
<code>.css(propertyName, value)</code> <code>.css(map)</code> <code>.css(propertyName, function)</code>	Set one or more CSS properties for the set of matched elements	81
<code>.data(key, value)</code> <code>.data(obj)</code> <code>.data([key])</code>	Store or retrieve arbitrary data associated with the matched elements	246
<code>.dblclick(handler)</code> <code>.dblclick()</code>	Bind an event handler to the dblclick JavaScript event, or trigger that event on an element	149

Method	Description	Page
<code>.delay(duration[, queueName])</code>	Set a timer to delay execution of subsequent items on the queue for the matched elements	199
<code>.dequeue([queueName])</code>	Execute the next function on the queue for the matched elements	201
<code>.detach([selector])</code>	Remove the set of matched elements from the DOM	125
<code>.die(eventType[, handler])</code>	Remove an event handler previously attached using <code>.live()</code> from the elements	139
<code>.each(callback)</code> <code>\$.each(collection, callback)</code>	Iterate over a collection, firing a callback function on each item	232
<code>.empty()</code>	Remove all child nodes of the set of matched elements from the DOM	122
<code>.end()</code>	End the most recent filtering operation in the current chain and return the set of matched elements to its previous state	70
<code>.error(handler)</code>	Bind an event handler to the error JavaScript event	144
<code>.eq(index)</code>	Reduce the set of matched elements to the one at the specified index	47
<code>\$.extend([recursive, ][target, ]properties[, propertiesN])</code>	Merge the contents of two objects together into the first object	240
<code>.fadeIn([duration][, callback])</code>	Display the matched elements by fading them to opaque	189
<code>.fadeOut([duration][, callback])</code>	Hide the matched elements by fading them to transparent	190
<code>.fadeTo(duration, opacity[, callback])</code>	Adjust the opacity of the matched elements	192
<code>.filter(selector)</code> <code>.filter(function)</code>	Reduce the set of matched elements to those that match the selector or pass the function's test	42

Method	Description	Page
<code>.find(selector)</code>	Get the descendants of each element in the current set of matched elements, filtered by a selector	51
<code>.first()</code>	Reduce the set of matched elements to the first one	48
<code>.focus(handler)</code> <code>.focus()</code>	Bind an event handler to the <code>focus</code> JavaScript event, or trigger that event on an element	162
<code>.focusin(handler)</code> <code>.focusin()</code>	Bind an event handler to the <code>focusin</code> JavaScript event, or trigger that event on an element	—
<code>.focusout(handler)</code> <code>.focusout()</code>	Bind an event handler to the <code>focusout</code> JavaScript event, or trigger that event on an element	—
<code>.get([index])</code>	Retrieve the DOM elements matched by the jQuery object	229
<code>\$.get(url[, data][, success][, dataType])</code>	Load data from the server using a GET HTTP request	210
<code>\$.getJSON(url[, data][, success])</code>	Load JSON-encoded data from the server using a GET HTTP request	213
<code>\$.getScript(url[, success])</code>	Load JavaScript from the server using a GET HTTP request, and then execute it	214
<code>\$.grep(array, filter[, invert])</code>	Winnow an array down to a selected set of items	234
<code>.has(selector)</code>	Reduce the set of matched elements to those that have an element matched by selector as a descendant	46
<code>.hasClass(className)</code>	Determine whether any of the matched elements are assigned the given class	92
<code>.height()</code>	Get the current computed height for the first element in the set of matched elements	82



Method	Description	Page
<code>.height (value)</code>	Set the CSS height of each element in the set of matched elements	83
<code>.hide ([duration] [, callback])</code>	Hide the matched elements	179
<code>.hover (handlerIn, handlerOut)</code>	Bind two handlers to the matched elements to be executed when the mouse pointer enters and leaves the elements	159
<code>.html ()</code>	Get the HTML contents of the first element in the set of matched elements	97
<code>.html (htmlString)</code> <code>.html (function)</code>	Set the HTML contents of each element in the set of matched elements	97
<code>\$.isArray (value, array)</code>	Search for a specified value within an array	236
<code>.index ()</code> <code>.index (element)</code> <code>.index (string)</code>	Search for a given element from among the matched elements	230
<code>.innerHeight ()</code>	Get the current computed height for the first element in the set of matched elements, including padding but not border	84
<code>.innerWidth ()</code>	Get the current computed width for the first element in the set of matched elements, including padding but not border	87
<code>.insertAfter (target)</code>	Insert every element in the set of matched elements after the target	115
<code>.insertBefore (target)</code>	Insert every element in the set of matched elements before the target	112
<code>.is (selector)</code>	Check the current matched set of elements against a selector and return true if at least one of these elements matches the selector	69

Method	Description	Page
<code>\$.isArray(obj)</code>	Determine whether the argument is an array	244
<code>\$.isEmptyObject(obj)</code>	Determine whether the argument is an empty JavaScript object	245
<code>\$.isFunction(obj)</code>	Determine whether the argument is a function object	245
<code>\$.isPlainObject(obj)</code>	Determine whether the argument is a plain JavaScript object	245
<code>.keydown(handler)</code> <code>.keydown()</code>	Bind an event handler to the <code>keydown</code> JavaScript event, or trigger that event on an element	169
<code>.keypress(handler)</code> <code>.keypress()</code>	Bind an event handler to the <code>keypress</code> JavaScript event, or trigger that event on an element	171
<code>.keyup(handler)</code> <code>.keyup()</code>	Bind an event handler to the <code>keyup</code> JavaScript event, or trigger that event on an element	172
<code>.last()</code>	Reduce the set of matched elements to the last one	49
<code>.live(eventType, handler)</code>	Attach a handler to the event for all elements that match the current selector, now or in the future	137
<code>.load(handler)</code>	Bind an event handler to the <code>load</code> JavaScript event	141
<code>.load(url[, data][, success])</code>	Load data from the server and place the returned HTML into the matched element	211
<code>\$.makeArray(obj)</code>	Convert an array-like object into a true JavaScript array	235
<code>.map(callback)</code>	Pass each item element in the current matched set through a function, producing a new jQuery object containing the return values	73
<code>\$.map(array, transform)</code>	Transform an array into another one by using a transformation function	237

Method	Description	Page
<code>\$.merge(array1, array2)</code>	Merge the contents of two arrays together into the first array	239
<code>.mousedown(handler)</code> <code>.mousedown()</code>	Bind an event handler to the mousedown JavaScript event, or trigger that event on an element	145
<code>.mouseenter(handler)</code> <code>.mouseenter()</code>	Bind an event handler to be fired when the mouse cursor enters an element, or trigger that handler on an element	156
<code>.mouseleave(handler)</code> <code>.mouseleave()</code>	Bind an event handler to be fired when the mouse cursor leaves an element, or trigger that handler on an element	157
<code>.mousemove(handler)</code> <code>.mousemove()</code>	Bind an event handler to the mousemove JavaScript event, or trigger that event on an element	160
<code>.mouseout(handler)</code> <code>.mouseout()</code>	Bind an event handler to the mouseout JavaScript event, or trigger that event on an element	154
<code>.mouseover(handler)</code> <code>.mouseover()</code>	Bind an event handler to the mouseover JavaScript event, or trigger that event on an element	152
<code>.mouseup(handler)</code> <code>.mouseup()</code>	Bind an event handler to the mouseup JavaScript event, or trigger that event on an element	146
<code>.next([selector])</code>	Get the immediately following sibling of each element in the set of matched elements, optionally filtered by a selector	64
<code>.nextAll([selector])</code>	Get all following siblings of each element in the set of matched elements, optionally filtered by a selector	65
<code>.nextUntil(selector)</code>	Get the next siblings of each element in the current set of matched elements up to but not including the element matched by the selector	66

Method	Description	Page
<code>\$.noConflict([removeAll])</code>	Relinquish jQuery's control of the <code>\$</code> variable	227
<code>.not(selector)</code> <code>.not(elements)</code> <code>.not(function)</code>	Remove elements from the set of matched elements	44
<code>.offset()</code>	Get the current coordinates of the first element in the set of matched elements, relative to the document	88
<code>.offset(coordinates)</code>	Set the current coordinates of every element in the set of matched elements, relative to the document	89
<code>.offsetParent()</code>	Get the closest ancestor element that is positioned	59
<code>.one(eventType[, eventData], handler)</code>	Attach a handler to an event for the elements; the handler is executed at most once	134
<code>.outerHeight([includeMargin])</code>	Get the current computed height for the first element in the set of matched elements, including padding and border	84
<code>.outerWidth([includeMargin])</code>	Get the current computed width for the first element in the set of matched elements, including padding and border	87
<code>\$.param(obj[, traditional])</code>	Create a serialized representation of an object or array, suitable for use in a URL query string or AJAX request.	243
<code>.parent([selector])</code>	Get the parent of each element in the current set of matched elements, optionally filtered by a selector	56
<code>.parents([selector])</code>	Get the ancestors of each element in the current set of matched elements, optionally filtered by a selector	53

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Method	Description	Page
<code>.parentsUntil(selector)</code>	Get the ancestors of each element in the current set of matched elements up to but not including the element matched by the selector	55
<code>.position()</code>	Get the current coordinates of the first element in the set of matched elements, relative to the offset parent	89
<code>\$.post(url[, data][, success][, dataType])</code>	Load data from the server using a POST HTTP request	212
<code>.prepend(content)</code> <code>.prepend(function)</code>	Insert content, specified by the parameter, at the beginning of each element in the set of matched elements	104
<code>.prependTo(target)</code>	Insert every element in the set of matched elements at the beginning of the target	106
<code>.prev([selector])</code>	Get the immediately preceding sibling of each element in the set of matched elements, optionally filtered by a selector	61
<code>.prevAll([selector])</code>	Get all preceding siblings of each element in the set of matched elements, optionally filtered by a selector	62
<code>.prevUntil(selector)</code>	Get the previous siblings of each element in the current set of matched elements up to but not including the element matched by the selector	63
<code>.queue([queueName])</code> <code>.queue([queueName], newQueue)</code> <code>.queue([queueName], callback)</code>	Manipulate the queue of functions to be executed on the matched elements	200
<code>\$(document).ready(handler)</code> <code>\$.ready(handler)</code> <code>\$(handler)</code>	Specify a function to execute when the DOM is fully loaded	140
<code>.remove([selector])</code>	Remove the set of matched elements from the DOM	123

Method	Description	Page
<code>.removeAttr(attributeName)</code> <code>.removeAttr(function)</code>	Remove an attribute from each element in the set of matched elements	80
<code>.removeClass([className])</code> <code>.removeClass([function])</code>	Remove one or all classes from each element in the set of matched elements	93
<code>.removeData([key])</code>	Remove a previously stored piece of data	248
<code>.replaceAll(target)</code>	Replace each target element with the set of matched elements	103
<code>.replaceWith(newContent)</code>	Replace each element in the set of matched elements with the provided new content	102
<code>.resize(handler)</code> <code>.resize()</code>	Bind an event handler to the <code>resize</code> JavaScript event, or trigger that event on an element	174
<code>.scroll(handler)</code> <code>.scroll()</code>	Bind an event handler to the <code>scroll</code> JavaScript event, or trigger that event on an element	175
<code>.scrollLeft()</code>	Get the current horizontal position of the scroll bar for the first element in the set of matched elements	91
<code>.scrollLeft(value)</code>	Set the current horizontal position of the scroll bar for each of the set of matched elements	91
<code>.scrollTop()</code>	Get the current vertical position of the scroll bar for the first element in the set of matched elements	90
<code>.scrollTop(value)</code>	Set the current vertical position of the scroll bar for each of the set of matched elements	90
<code>.select(handler)</code> <code>.select()</code>	Bind an event handler to the <code>select</code> JavaScript event, or trigger that event on an element	166
<code>.serialize()</code>	Encode a set of form elements as a string for submission	223
<code>.serializeArray()</code>	Encode a set of form elements as an array of names and values	224

Method	Description	Page
<code>.show([duration] [, callback])</code>	Display the matched elements	177
<code>.siblings([selector])</code>	Get the siblings of each element in the set of matched elements, optionally filtered by a selector	60
<code>.size()</code>	Return the number of DOM elements matched by the jQuery object	228
<code>.slice(start[, end])</code>	Reduce the set of matched elements to a subset specified by a range of indices	49
<code>.slideDown([duration] [, callback])</code>	Display the matched elements with a sliding motion	184
<code>.slideToggle([duration] [, callback])</code>	Display or hide the matched elements with a sliding motion	186
<code>.slideUp([duration] [, callback])</code>	Hide the matched elements with a sliding motion	185
<code>.stop([clearQueue] [, jumpToEnd])</code>	Stop the currently-running animation on the matched elements	198
<code>.submit(handler)</code> <code>.submit()</code>	Bind an event handler to the submit JavaScript event, or trigger that event on an element	167
<code>.text()</code>	Get the combined text contents of each element in the set of matched elements, including their descendants	98
<code>.text(textString)</code> <code>.text(function)</code>	Set the content of each element in the set of matched elements to the specified text	99
<code>.toArray()</code>	Convert an array-like object (such as the jQuery object) to a true array	—
<code>.toggle([duration] [, callback])</code> <code>.toggle(showOrHide)</code>	Display or hide the matched elements	181
<code>.toggle(handlerEven, handlerOdd[, additionalHandlers...])</code>	Bind two or more handlers to the matched elements to be executed on alternate clicks	151

Method	Description	Page
<code>.toggleClass(className)</code> <code>.toggleClass(className, addOrRemove)</code> <code>.toggleClass(function[, addOrRemove])</code>	If the class is present, remove it from each element in the set of matched elements; if it is not present, add the class	95
<code>.trigger(eventType[, extraParameters])</code>	Execute all handlers and behaviors attached to the matched elements for the given event type	135
<code>.triggerHandler(eventType[, extraParameters])</code>	Execute all handlers attached to an element for an event	136
<code>\$.trim(string)</code>	Remove whitespace from the ends of a string	242
<code>.unbind([eventType[, handler]])</code> <code>.unbind(event)</code>	Remove a previously-attached event handler from the elements	131
<code>\$.unique(array)</code>	Create a copy of an array of DOM elements with the duplicates removed	240
<code>.unload(handler)</code>	Bind an event handler to the unload JavaScript event	143
<code>.unwrap()</code>	Remove a containing element while keeping its contents	125
<code>.val()</code>	Get the current value of the first element in the set of matched elements	101
<code>.val(value)</code> <code>.val(function)</code>	Set the value of each element in the set of matched elements	101
<code>.width()</code>	Get the current computed width for the first element in the set of matched elements	85
<code>.width(value)</code>	Set the CSS width of each element in the set of matched elements	86



Method	Description	Page
<code>.wrap(wrappingElement)</code> <code>.wrap(wrappingFunction)</code>	Wrap an HTML structure around each element in the set of matched elements	117
<code>.wrapAll(wrappingElement)</code>	Wrap an HTML structure around all elements in the set of matched elements	118
<code>.wrapInner(wrappingElement)</code> <code>.wrapInner(wrappingFunction)</code>	Wrap an HTML structure around the content of each element in the set of matched elements	119

## Properties

The following properties are available for inspecting both the browser environment and individual jQuery objects.

Property	Description	Page
<code>\$.browser</code>	Information about the user agent displaying the page	249
<code>.context</code>	The DOM context that was used to create the jQuery object	254
<code>.length</code>	The number of DOM elements matched by the jQuery object	252
<code>.selector</code>	The selector string that was used to create the jQuery object	253
<code>\$.support</code>	Information about the browser's support for specific rendering and JavaScript features	250