

# FINDING ELEMENTS

Using jQuery, you usually select elements using CSS-style selectors. It also offers some extra selectors, noted below with a 'jQ'.

Examples of using these selectors are demonstrated throughout the chapter. The syntax will be familiar to those who have used selectors in CSS.

## BASIC SELECTORS

<b>*</b>	All elements
<b><i>element</i></b>	All elements with that element name
<b><i>#id</i></b>	Elements whose <b>id</b> attribute has the value specified
<b><i>.class</i></b>	Elements whose <b>class</b> attribute has the value specified
<b><i>selector1, selector2</i></b>	Elements that match more than one selector (see also the <b>.add()</b> method, which is more efficient when combining selections)

## HIERARCHY

<b><i>ancestor descendant</i></b>	An element that is a descendant of another element (e.g., <b>li a</b> )
<b><i>parent &gt; child</i></b>	An element that is a direct child of another element (you can use <b>*</b> in the place of the child to select all child elements of the specified parent)
<b><i>previous + next</i></b>	Adjacent sibling selector only selects elements that are immediately followed by the previous element
<b><i>previous ~ siblings</i></b>	Sibling selector will select any elements that are a sibling of the previous element

## BASIC FILTERS

<b><i>:not(selector)</i></b>	All elements except the one in the selector (e.g., <b>div:not('#summary')</b> )
<b><i>:first</i></b>	The first element from the selection
<b><i>:last</i></b>	The last element from the selection
<b><i>:even</i></b>	Elements with an even index number in the selection
<b><i>:odd</i></b>	Elements with an odd index number in the selection
<b><i>:eq(index)</i></b>	Elements with an index number equal to the one in the parameter
<b><i>:gt(index)</i></b>	Elements with an index number greater than the parameter
<b><i>:lt(index)</i></b>	Elements with an index number less than the parameter
<b><i>:header</i></b>	All <b>&lt;h1&gt;</b> - <b>&lt;h6&gt;</b> elements
<b><i>:animated</i></b>	Elements that are currently being animated
<b><i>:focus</i></b>	The element that currently has focus



## CONTENT FILTERS

<code>:contains('text')</code>		Elements that contain the specified text as a parameter
<code>:empty</code>		All elements that have no children
<code>:parent</code>	jQ	All elements that have a child node (can be text or element)
<code>:has(selector)</code>	jQ	Elements that contain at least one element that matches the selector (e.g., <code>div:has(p)</code> matches all <code>div</code> elements that contain a <code>&lt;p&gt;</code> element)

## VISIBILITY FILTERS

<code>:hidden</code>	jQ	All elements that are hidden
<code>:visible</code>	jQ	All elements that consume space in the layout of the page Not selected if: <code>display: none</code> ; <code>height: 0</code> ; <code>width: 0</code> ; ancestor is hidden Selected if: <code>visibility: hidden</code> ; <code>opacity: 0</code> because they would take up space in layout

## CHILD FILTERS

<code>:nth-child(expr)</code>		The value here is not zero-based e.g. <code>ul li:nth-child(2)</code>
<code>:first-child</code>		First child from the current selection
<code>:last-child</code>		Last child from the current selection
<code>:only-child</code>		When there is only one child of the element ( <code>div p:only-child</code> )

## ATTRIBUTE FILTERS

<code>[attribute]</code>		Elements that carry the specified attribute (with any value)
<code>[attribute='value']</code>		Elements that carry the specified attribute with the specified value
<code>[attribute!='value']</code>	jQ	Elements that carry the specified attribute but not the specified value
<code>[attribute^='value']</code>		The value of the attribute begins with this value
<code>[attribute\$='value']</code>		The value of the attribute ends with this value
<code>[attribute*='value']</code>		The value should appear somewhere in the attribute value
<code>[attribute ='value']</code>		Equal to given string, or starting with string and followed by a hyphen
<code>[attribute~='value']</code>		The value should be one of the values in a space separated list
<code>[attribute][attribute2]</code>		Elements that match all of the selectors

## FORM

<code>:input</code>	jQ	All input elements
<code>:text</code>	jQ	All text inputs
<code>:password</code>	jQ	All password inputs
<code>:radio</code>	jQ	All radio buttons
<code>:checkbox</code>	jQ	All checkboxes
<code>:submit</code>	jQ	All submit buttons
<code>:image</code>	jQ	All <code>&lt;img&gt;</code> elements
<code>:reset</code>	jQ	All reset buttons
<code>:button</code>	jQ	All <code>&lt;button&gt;</code> elements
<code>:file</code>	jQ	All file inputs
<code>:selected</code>	jQ	All selected items from drop-down lists
<code>:enabled</code>		All enabled form elements (the default for all form elements)
<code>:disabled</code>		All disabled form elements (using the CSS <code>disabled</code> property)
<code>:checked</code>		All checked radio buttons or checkboxes