Basic Selectors

Selector	Description	Example	HTML
selector, selector	All specified selectors	$('li, a, p');	
.class1.class2	All elements with both .class1 and .class2	$('.class1.class2');	
parent>child	Direct children of parents	$('h2>em');	
ancestor descendant	Kind of like indirect children	$('ul a');	<a>
prev+next	First sibling	$('h1+p');	
prev~siblings	All siblings	$('h1 ~ p');	

Basic Filters

Filter	Description
:first	Selects only 1st instance of set
:last	Selects only last instance
:even	Selects only even numbered elements (starts at index 0)
:odd	Selects only odd numbered elements
:eq(*n*)	Selects element at the given index
:gt(*n*)	Selects elements past the given index
:lt(*n*)	Selects elements before the given index
:header	Selects all headers (h1, h2, h3, …)
:animated	Selects elements that are currently being animated in some way
:not(*selector*)	Selects elements that do ***not*** match the given selector (select everything except the specified selector)

Examples:

```
$("p:first");
$("p:last");
$("p:even");
$("p:odd");
$(".a:first");
$(".b:even");
$("p:gt(1)");
```

Attribute Filters

Filter	Description
[*attribute*]	Includes elements if they have the specified attribute
[*attribute*=*value*]	Includes elements if they have the specified attribute with the specified value
[*attribute*!=*value*]	Includes elements if they have the specified attribute **without** the specified value
[*attribute*^=*value*]	Includes elements if they have the specified attribute and the value starts with what is specified
[*attribute*$=*value*]	Includes elements if they have the specified attribute and the value ends with what is specified
[*attribute**=*value*]	Includes elements if they have the specified attribute and the value contains what is specified
[*attrFilter1*][*attrFilterN*]	Includes elements that match all the specified filters

Examples:

```
$("p[class]");
$("p[id=para1]");
$("p[id^=para]");
$("p[id^=para][lang*=en-");
```

Content and Visibility Filters

Filter	Description
:contains(*text*)	Includes elements if they contain the text string
:empty	Includes only empty elements
:has(*selector*)	Includes elements if they contain the specified selector
:parent	Gets all parents (elements that have children)
:visible	Includes elements if they are visible
:hidden	Includes elements if they are hidden
:nth-child(*index*) :nth-child(*even*) :nth-child(*odd*) :nth-child(*equation*)	Equation can use an n-counter that starts at 1 2n+1 means 2(1)+1, 2(2)+2, 2(3)+1, …
:first-child	
:last-child	
:only-child	Selects element only if it is a single child

Examples:

```
$("p:contains(3)");
$(":contains(3)");
$("p:parent");
$("ul:has(li[class=a])");
$("ul li:nth-child(3)");
$("ul li:last-child");
$("ul li:nth-child(2n)");
```

Form Filters

:input	:image
:text	:button
:password	:file
:radio	:enabled
:checkbox	:disabled
:submit	:checked
:reset	:selected

Examples:

```
$("form :input");
$("form :text");
$("form :checked");
$("form :checkbox:checked");
```

Traversing a Document

FUNCTION/PROPERTY	PURPOSE
size(), length	The number of elements in a jQuery result set
get()	Returns an array of DOM elements
get(*index*)	Access a single matched DOM element at the specified index
find(*expression*)	Searches for descendant elements that match the expression
each(*fn*)	Execute a function within the context of every matched element