

selectors

```
$("*")           // all elements
$("p.demo")       // <p> elements with class="demo"
$("p:first")      // the first <p> element
$("p span")       // span, descendant of p
$("p > span")     // span, direct child of p
$("p + span")     // span immediately proceeded by p
$("p ~ span")     // strong element proceeded by p
$("ul li:first")  // the first <li> element of ul
$("ul li:first-child") // the first <li> element of ul
$("ul li:nth-child(3)") // third child
$("[href]")       // any element with an href attribute
$("a[target='_blank']") // <a> elements with a target attribute
$("a[target!='_blank']") // <a> elements with a target attribute
$(":input")        // all form elements
$(":button")       // <button> and <input> elements
$("tr:even")       // even <tr> elements
$("tr:odd")        // odd <tr> elements
$("span:parent")   // element which has child elements
$("span:contains('demo')") // element containing the specified text
```

Actions

```
$(selector).action()
$(this).hide() // the current element
$("div").hide() // all <div> elements
$("#demo").hide() // all elements with class="demo"
$("#demo").hide() // the element with id="demo"
```

Events

```
$("#demo").click(function(){
    $(this).hide(200);
});
```

Mouse

scroll, click, dblclick, mousedown, mouseup, mousemove, mouseover, mouseout, mouseenter, mouseleave, load, resize, scroll, unload, error

Keyboard

keydown, keypress, keyup

Form

submit, change, focus, blur

DOM Element

blur, focus, focusin, focusout, change, select, submit

Browser

load, resize, scroll, unload, error

```
.bind()
$(document).ready(function() { // attach a handler to the DOM
$("#demo").bind('blur', function(e) { //dom event fired
    //dom event fired
});
});
```

DOM Manipulation

Content

Basics

Include

Download

```
<script src="https://code.jquery.com/jquery-latest.
<script src="https://ajax.googleapis.com/ajax/libs/
```

Syntax

```
$(document).ready(function(){
    $("#demo").click(function(){
        $(this).hide(200);
    });
});
$(function(){
    // Short Document Ready
});
```

Each

```
$("#demo").each(function() { // pars
    document.write($(this).text() + "\n"); // output t
});
```

Trigger

```
$("#mylink").trigger("click"); // triggers event o
```

noConflict

```
var jq = $.noConflict(); // avoid confi
jq(document).ready(function(){
    jq("#demo").text("Hello World!");
});
```

Effects

Hide / Show

```
$("#demo").hide(); // sets to display: none
$("#demo").show(200); // shows hidden elemnt with
$("#demo").toggle(); // toggle between show and
```

```
$("#element").hide("slow", function() { // hide
    console.log("Animation complete.");
});
```

Fade

```
fadeIn, fadeOut, fadeToggle, fadeTo
$("#demo").fadeIn(); // fade in a hi
$("#demo").fadeOut(300); // fade out
$("#demo").fadeToggle("slow"); // toggle betwe
$("#demo").fadeTo("slow", 0.25); // fades to 0.2
```

Slide

```
slideDown, slideUp, slideToggle
$("#demo").slideDown();
$("#demo").slideUp("slow");
$("#demo").slideToggle();
```

Animate

```
$(selector).animate({params},speed,callback);
$("div").animate{
    opacity: '0.5',
    left: '200px',
    height: '200px'
};
```

stop() Method

```
$("#demo").stop();
```

```

$("#demo").text();           // returns text content
$("#demo").html();           // returns content, including HTML
$("#demo").val();             // returns field value
$("#demo").html('Hey <em>yo</em>'); // sets HTML content

```

Attributes

```

$("#link").attr("href");           // get an attribute
$("#link").attr("href", 'https://html6.com'); // set attribute
$("#link").attr({
  "href" : "https://html6.com",    // setting multiple attributes
  "title" : "HTML Editor"
});
$("#link").attr("href", function(i, origValue){
  return origValue + "/help";      // callback function
});

```

Add

```

$(".demo").prepend("Yo!");          // adds content at the beginning
$(".demo").append("<em>Hey!</em>"); // adds content at the end
$(".demo").before("Cheers");         // adds content before
$(".demo").after("<em>Peace</em>"); // adds content after

```

Remove

```

$("#demo").remove();               // removes the selected element
$("#demo").empty();                // removes children
$("#div").remove(".cl1, .cl2");    // removes divs with the class

```

Classes

```

$("#demo").addClass("big red");    // add class
$("h1, p").removeClass("red");     // remove class
$("#demo").toggleClass("big");     // toggle between adding and removing

```

CSS

```

$("#demo").css("background-color"); // returns CSS value
$("#demo").css("color", "blue");    // sets CSS rule
$("#demo").css({ "color": "blue", "font-size": "20px" }); // sets multiple rules

```

Dimensions

width, height, innerWidth, innerHeight, outerWidth, outerHeight
inner - includes padding
outer - includes padding and border

Ajax

```

$("#demo").load("file.txt h1.main");
$("#demo").load("file.txt", function(responseTxt, status, xhr){
  if(status == "success") {
    document.write("Content loaded successfully!");
  } else {
    document.write("Error: " + xhr.status + ": " + xhr.responseText);
  }
});

```

\$.get()

```

$.get("demo.asp", function(data, status){ //$.get() is a shorthand for $.ajax()
  document.write("Data: " + data + "\nStatus: " + status);
});

```

\$.post()

```

$.post("demo.asp", // send HTTP POST request to a page
{
  name: "John",    // send data
  age: 30
},
function(data, status){ //retrieve response
  console.log("Data: " + data + "\nStatus: " + status);
});

```

```

$("#demo").stop();
$("#demo").mouseleave(function(event) { // hover event
  $(".tab").stop().animate({           // stop() method
    opacity : '0.5',
    marginTop: '10px'
  }, 500, function() {                 // animation duration
    $("#demo").removeClass('hovered'); // call
  });
});
$("#demo").mouseover(function(event) { // hover event
  $(".tab").stop().animate({           // stop() method
    opacity : '1',
    marginTop: '0px'
  }, 300, function() {                 // animation duration
    $("#demo").addClass('hovered');    // call
  });
});

```

Chaining

```

$("#demo").css("backgroundColor", "green").slideUp(

```

Traversing

```

$("#demo").parent();           // accessing direct parent
$("#span").parent().hide();    // changing parent's visibility
$("#demo").parents();           // all ancestors
$("#demo").parentsUntil("#demo2"); // all ancestors up to #demo2
$("#demo").children();         // all direct children
$("#demo").children(".first"); // all direct children with class
$("#demo").find("span");       // all span elements
$("#demo").find("*");          // all descendants
$("#demo").siblings("span");   // span siblings
$("#demo").next();             // the next sibling
$("p").nextAll();              // all next siblings
$("#demo").nextUntil("#demo2"); // siblings up to #demo2
$("#demo").prev();             // the previous sibling
$("p").prevAll();              // all previous siblings
$("#demo").prevUntil("#demo2"); // previous siblings up to #demo2

```

Filtering

```

$("span strong").first();      // first strong in first span
$("span strong").last();       // last strong in last span
$("div").eq(9);                // element with a specific index
$("div").filter(".big");       // all div elements with class 'big'
$("div").not(".big");          // opposite of filter

```

