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# jQuery CheatSheet

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## Effects

### Hide / Show

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

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

### Fade

```
fadeIn, fadeOut, fadeToggle, fadeTo
$("#demo").fadeIn(); // fade in a hidden element
$("#demo").fadeOut(300); // fade out
$("#demo").fadeToggle("slow"); // toggle between fadeIn and fadeOut
$("#demo").fadeTo("slow", 0.25); // fades to 0.25 opacity
```

### 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").mouseleave(function(event) { // hover end
  $(".tab").stop().animate({ // stop() method
    opacity: '0.5',
    marginTop: '10px'
  }, 500, function() { // animation complete
    $("#demo").removeClass('hovered'); // callback function
  });
});

$("#demo").mouseover(function(event) { // hover begin
  $(".tab").stop().animate({ // stop() method
    opacity: '1',
    marginTop: '0px'
  }, 300, function() { // animation complete
    $("#demo").addClass('hovered'); // callback function
  });
});
```

### Chaining

```
$("#demo").css("backgroundColor", "green").slideUp(500).slideDown(500);
```

## Basics

### Include

```
Download
<script src="https://code.jquery.com/jquery-latest.min.js" type="text/javascript"></script>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.0/jquery.min.js"></script>
```

### Syntax

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

$(function(){
  // Short Document Ready
});
```

### Each

```
$(".demo").each(function() { // parse each .demo
  document.write($(this).text() + "<br>"); // output their text
});
```

### Trigger

```
$("#mylink").trigger("click"); // triggers event on an element
```

### noConflict

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

## Ajax

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

```
$.getJSON("demo.asp", function(data, status){ //$.getJSON, call
  document.write("Data: " + data + "<br>Status: " + status);
});
```

### \$.post()

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

## Selectors

```
$(*) // all elements
$(".demo") // <p> elements with class="intro"
$(".p:first") // the first <p> element
$(".p span") // span, descendant of p
$(".p > span") // span, direct child of p
$(".p ~ span") // span immediately preceded by a p
$(".p ~ span") // strong element preceded by p
$(".ul li:first") // the first <li> element of the first <ul>
$(".ul li:nth-child(3)") // the first <li> element of every <ul>
$(".li:nth-child(3)") // third child
$(".a[href]") // any element with an href attribute
$(".a[target='_blank']") // <a> elements with a target "_blank"
$(".a[target!='_blank']") // <a> elements with a target attribute other than "_blank"
$(".:input") // all form elements
$(".:button") // <button> and <input type="button"> 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"
```

## Traversing

```
$("#demo").parent() // accessing direct parent
$(".span").parent().hide() // changing parent color
$("#demo").parents() // all ancestors of the element
$("#demo").parentsUntil("#demo2"); // all ancestors between two elements
$("#demo").children() // all direct children
$("#demo").children(".first"); // all direct children having class="first"
$("#demo").find("span"); // all span elements inside #demo
$("#demo").find("*"); // all descendants
$("#demo").siblings("span"); // span siblings of #demo
$("#demo").next() // the next sibling
$(".p").nextAll() // all next siblings
$("#demo").nextUntil("#demo2"); // siblings between two arguments
$("#demo").prev() // the previous sibling
$(".p").prevAll() // all previous siblings
$("#demo").prevUntil("#demo2"); // previous siblings between two arguments
```

### 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 .big class
$(".div").not(".big"); // opposite of filter
```

## 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
  $(".demo").bind("blur", function(e) {
    //dom event fired
  });
});
```

## DOM Manipulation

### Content

```
$("#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://htmlg.com"); // set attribute
$("#link").attr({
  "href": "https://htmlg.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 begin
$(".demo").append("<em>Hey!</em>"); // adds content at the end
$(".demo").before("Cheers"); // adds content before the selected element
$(".demo").after("<em>Peace</em>"); // adds content after the selected element
```

### Remove

```
$("#demo").remove(); // removes the selected element
$("#demo").empty(); // removes children
$("#div").remove(".c11, .c12"); // removes divs with the listed class
```

### Classes

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

### CSS

```
$("#demo").css("background-color"); // returns CSS value
$("#demo").css("color", "blue"); // sets CSS rule
```

## Online jQuery Cheat Sheet

jQuery Cheat Sheet will help you create the code for animations, various effects and other features for your website. Find the most common code snippets on a single page.

Hide the green comments with the link in the top right corner of the site. Click the code snippets to highlight then copy-paste them in your project!

- **Basics** – Introduction to jQuery syntax through commonly used code examples. Learn how to include jQuery in your [HTML](#) code.
- **Selector** – Similar to how we target [CSS](#) elements in the style sheets, we use selectors.
- **Events** – Just like we have [JavaScript](#) events, we can set up listeners with jQuery.
- **Effects** – Learn how to animate the HTML elements. Make them fade, slide or set up any other effect with custom CSS properties.
- **Dom Manipulation** – It's easy to get and edit the content of a Document Object Model item.
- **Traversing** – The way of targeting elements based on their hierarchy in the code. Imagine that the source of the page is a family tree where you can work with parents, children, siblings etc.
- **Ajax** – Exchange data with the server to dynamically update parts of the page.
- **Links** – Useful links and online tools to work with jQuery.

Make sure you save this link to help your next project.

```
$("#demo").css({"color": "blue", "font-size": "20px"}); // sets i
```

### Dimensions

width, height, innerWidth, innerHeight, outerWidth, outerHeight

*inner* - includes padding

*outer* - includes padding and border

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