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jQuery cheatsheet

This jQuery cheat sheet is a great reference for both beginners and experienced developers.

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Getting Started

Including jQuery

Official CDN

```
<script
src="https://ajax.googleapis.com/ajax/libs
/jquery/3.6.3/jquery.min.js"></script>
```

jQuery syntax

```
$(selector).methodOrFunction();
```

Example:

```
$('#menu').on('click', () =>{
  $(this).hide();
});

$('body').css('background', 'red');
```

jQuery document ready

```
$(document).ready(function () {
  // Runs after the DOM is loaded.
  alert('DOM fully loaded!');
});

$(function(){
  // Runs after the DOM is loaded.
  alert('DOM fully loaded!');
});
```

jQuery Selectors

Syntaxes

```
$('button').click(() => {
  $('.button').css('color', 'red');
});
```

Combining selectors

```
$('selector1, selector2 ...selectorN')
```

Basics

*	.class	element
#id	hidden	visible
:contains()	empty	:has()
:parent	parent > child	prev(selector) next(selector)
prev + next	prev ~ siblings	

Basic Filters

:animated	:eq()	:even
:first	:gt()	:header
:lang()	:last	:lt()
:not()	:odd	:root
:target		

Attribute

[name$="value"]	[name*="value"]
[name~="value"]	[name!="value"]
[name|="value"]	[name^="value"]
[name="value"]	[name]
[name="value"][name!="value"]	

Child Filters

:first-child	:first-of-type
:last-child	:last-of-type
:nth-child()	:nth-last-child()
:nth-last-of-type()	:nth-of-type()
:only-child	:only-of-type()

Forms

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

jQuery Attributes

Examples

```
$('h2').css({
  'color': 'blue',
  'backgroundColor': 'grey',
  'fontSize': '24px'
});
```

jQuery addClass

```
$('.button').addClass('active');
```

jQuery removeClass

```
$('.button').on('mouseleave', evt => {
  const e = evt.currentTarget;
  $(e).removeClass('active');
});
```

jQuery .toggleClass

```
$('.checkbox').toggleClass('highlighted');
```

Attributes

.attr()	.prop()
.removeAttr()	.removeProp()
.val()	

Data

jQuery.data()	.data()
jQuery.hasData()	jQuery.removeData()
.removeData()	

CSS

.addClass()	.hasClass()
.removeClass()	.toggleClass()
.css()	jQuery.cssHooks
jQuery.cssNumber	jQuery.escapeSelector()

Dimensions

.height()	.innerHeight()
.innerWidth()	.outerHeight()
.outerWidth()	.width()

Offset

.offset()	.offsetParent()
.position()	.scrollLeft()
.scrollTop()	

jQuery Manipulation

Examples

```
/*<span>Span.</span>*/
$('span').after('<p>Paragraph.</p>');
/*<span>Span.</span><p>Paragraph.</p>*/

/*<span>Span.</span>*/
$('span').wrap('<span>').replaceAll('p');
/*<p><span>.</span>*/

/*<span>This is span.</span>*/
$('span').wrap('<p></p>');
/*<p><span>This is span.</span></p>*/
```

Cloning

.clone()

DOM Insertion, Inside

.append()	.appendTo()	.html()
.prepend()	.prependTo()	.text()

DOM Removal

.detach()	.empty()	.remove()
.unwrap()		

DOM Insertion, Around

.wrap()	.wrapAll()	.wrapInner()

DOM Insertion, Outside

.after()	.before()	.insertAfter()
.insertBefore()		

DOM Replacement

.replaceAll()	.replaceWith()

jQuery Traversing

Filtering

.eq()	.filter()	.first()
.has()	.is()	.last()
.map()	.not()	.slice()

Miscellaneous Traversing

.add()	.addBack()	.andSelf()
.contents()	.each()	.end()

Tree Traversal

.children()	.closest()	.find()
.next()	.nextAll()	.nextUntil()
.parent()	.parents()	.parentsUntil()
.prev()	.prevAll()	.prevUntil()
.siblings()		

jQuery Events

Examples

```
// A mouse event 'click'
$('#menu-button').on('click', () => {
  $('#menu').show();
});

// A keyboard event 'keyup'
$('#textbox').on('keyup', () => {
  $('#menu').show();
});

// A scroll event 'scroll'
$('#menu-button').on('scroll', () => {
  $('#menu').show();
});
```

Event object

```
$('#menu').on('click', event => {
  $(event.currentTarget).hide();
});
```

Method chaining

```
$('#menu-bra').on('mouseenter', () => {
  $('#menu').show();
}).on('mouseleave', () => {
  $('#menu').hide();
});
```

Prevents the event

```
$('#a').click(function( event ) {
  event.stopPropagation();
  // Do something
});
```

Browser Events

.error()	.resize()	.scroll()

Document Loading

.load()	.ready()	.unload()

Event Handler Attachment

.bind()	.delegate()	.on()
.trigger()	.off()	.one()
.unbind()	.undelegate()	

Form Events

.blur()	.change()	.focus()
.focusin()	.focusout()	.select()
.submit()		

Keyboard Events

.keydown()	.keypress()	.keyup()

Mouse Events

.click()	.contextMenu()	.dblclick()
.hover()	.mousedown()	.mouseenter()
.mouseleave()	.mousemove()	.mouseout()
.mouseover()	.mouseup()	.toggle()

Event Object

event.currentTarget
event.delegateTarget
event.data
event.isDefaultPrevented()
event.isImmediatePropagationStopped()
event.isPropagationStopped()
event.metaKey
event.namespace
event.pageX
event.pageY
event.preventDefault()
event.relatedTarget
event.result
event.stopImmediatePropagation()
event.stopPropagation()
event.target
event.timeStamp
event.type
event.which

jQuery Effects

Examples

```
$('#menu-button').on('click', () => {
  // $('#menu').fadeIn(400, 'swing')
  $('#menu').fadeIt();
});
```

fadeOut effect

```
$('#menu-button').on('click', () => {
  // $('#menu').fadeOut(400, 'swing')
  $('#menu').fadeOut();
});
```

Basics

.hide()	.show()	.toggle()

Custom

.animate()	.clearQueue()	.delay()
.dequeue()	jQuery.dequeue()	.finish()
jQuery.fx.interval	jQuery.fx.off	jQuery.speed
.queue()	jQuery.queue()	.stop()

Sliding

.slideDown()	.slideToggle()	.slideUp()

Fading

.fadeIn()	.fadeOut()	.fadeTo()
.fadeToggle()		

jQuery Ajax

Examples

```
$.ajax({
  url: this.action,
  type: this.method,
  data: $(this).serialize()
}).done(function (server_data){
  console.log("success", server_data);
}).fail(function(jqXHR, status, err){
  console.log("fail", err);
});
```

Global Ajax Event Handlers

.ajaxComplete()	.ajaxError()	
.ajaxSend()	.ajaxStart()	
.ajaxStop()	.ajaxSuccess()	

Low-Level Interface

jQuery.ajax()	jQuery.ajaxPrefilter()
jQuery.ajaxSetup()	jQuery.ajaxTransport()

Helper Functions

jQuery.param()	serialize()
serializeArray()	

Shorthand Methods

jQuery.get()	jQuery.getJSON()
jQuery.getScript()	jQuery.post()
load()	

Miscellaneous

jQuery Object

jQuery()	jQuery.noConflict()
jQuery.sub()	jQuery.holdReady()
jQuery.when()	

DOM Element Methods

.get()	.index()
.size()	toArray()

Internals

.jquery	.context
jQuery.error()	.length
.pushStack()	.selector

Deferred Object

jQuery.Deferred()	deferred.always()
deferred.done()	deferred.fail()
deferred.isRejected()	deferred.isResolved()
deferred.notify()	deferred.notifyWith()
deferred.pipe()	deferred.progress()
deferred.promise()	deferred.reject()
deferred.rejectWith()	deferred.resolve()
deferred.resolveWith()	deferred.state()
deferred.then()	promise()

Callbacks Object

jQuery.Callbacks()	callbacks.add()
callbacks.disable()	callbacks.disabled()
callbacks.empty()	callbacks.fire()
callbacks.fired()	callbacks.fireWith()
callbacks.has()	callbacks.lock()
callbacks.locked()	callbacks.remove()

Utilities

jQuery.boxModel	jQuery.browser
jQuery.contains()	jQuery.each()
jQuery.extend()	jQuery.globalEval()
jQuery.grep()	jQuery.inArray()
jQuery.isArray()	jQuery.isEmptyObject()
jQuery.isFunction()	jQuery.isNumeric()
jQuery.isPlainObject()	jQuery.isWindow()
jQuery.isXMLDoc()	jQuery.makeArray()
jQuery.map()	jQuery.merge()
jQuery.noop()	jQuery.now()
jQuery.parseHTML()	jQuery.parseJSON()
jQuery.parseXML()	jQuery.proxy()
jQuery.support	jQuery.trim()
jQuery.type()	jQuery.unique()
jQuery.uniqueSort()	

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