

Table of Contents

Preface	1
Chapter 1: Anatomy of a jQuery Script	7
A dynamic table of contents	7
Obtaining jQuery	8
Setting up the HTML document	9
Writing the jQuery code	11
Script dissection	12
Selector expressions	12
DOM traversal methods	13
DOM manipulation methods	13
Event methods	14
Effect methods	14
AJAX methods	15
Miscellaneous methods	15
Plug-in API	16
Summary	16
Chapter 2: Selector Expressions	17
CSS selectors	17
Element (T)	17
ID (#myid)	18
Class (.myclass)	18
Descendant (E F)	19
Child (E > F)	20
Adjacent sibling (E + F)	20
General sibling (E ~ F)	21
Multiple expressions (E, F, G)	22
Numbered child (:nth-child(n/even/odd/expr))	22
First child (:first-child)	24

Last child (:last-child)	24
Only child (:only-child)	25
Not (:not(E))	25
Empty (:empty)	25
Universal (*)	26
Attribute selectors	26
Attribute ([foo])	27
Attribute equals ([foo=bar])	27
Attribute does not equal ([foo!=bar])	27
Attribute begins with ([foo^=bar])	28
Attribute ends with ([foo\$=bar])	28
Attribute contains ([foo*=bar])	28
Attribute contains word ([foo~=bar])	29
Attribute contains prefix ([foo =bar])	29
Form selectors	30
Custom selectors	31
Element at index (:eq(n))	31
Greater than (:gt(n))	32
Less than (:lt(n))	32
First (:first)	32
Last (:last)	33
Even element (:even)	33
Odd element (:odd)	34
Is parent (:parent)	34
Contains text (:contains(text))	35
Contains element (:has(E))	35
Visible (:visible)	36
Hidden (:hidden)	37
Header element (:header)	37
Currently animating (:animated)	37
Chapter 3: DOM Traversal Methods	39
The jQuery function	39
\$()	39
Filtering methods	42
.filter()	42
.not()	44
.has()	46
.eq()	47
.first()	48
.last()	49

.slice()	49
Tree traversal methods	51
.find()	51
.children()	52
.parents()	53
.parentsUntil()	55
.parent()	56
.closest()	57
.offsetParent()	59
.siblings()	60
.prev()	61
.prevAll()	62
.prevUntil()	63
.next()	64
.nextAll()	65
.nextUntil()	66
Miscellaneous traversal methods	68
.add()	68
.is()	69
.end()	70
.andSelf()	72
.map()	73
.contents()	74
Chapter 4: DOM Manipulation Methods	77
General attributes	77
.attr() (getter)	77
.attr() (setter)	78
.removeAttr()	80
Style properties	80
.css() (getter)	80
.css() (setter)	81
.height() (getter)	82
.height() (setter)	83
.innerHeight()	84
.outerHeight()	84
.width() (getter)	85
.width() (setter)	86
.innerWidth()	87
.outerWidth()	87
.offset() (getter)	88

.offset() (setter)	89
.position()	89
.scrollTop() (getter)	90
.scrollTop() (setter)	90
.scrollLeft() (getter)	91
.scrollLeft() (setter)	91
Class attributes	91
.hasClass()	92
.addClass()	92
.removeClass()	93
.toggleClass()	95
DOM replacement	96
.html() (getter)	97
.html() (setter)	97
.text() (getter)	98
.text() (setter)	99
.val() (getter)	101
.val() (setter)	101
.replaceWith()	102
.replaceAll()	103
DOM insertion, inside	104
.prepend()	104
.prependTo()	106
.append()	108
.appendTo()	109
DOM insertion, outside	111
.before()	111
.insertBefore()	112
.after()	114
.insertAfter()	115
DOM insertion, around	117
.wrap()	117
.wrapAll()	118
.wrapInner()	119
DOM copying	121
.clone()	121
DOM removal	122
.empty()	122
.remove()	123
.detach()	125
.unwrap()	125

Chapter 5: Event Methods	127
Event handler attachment	127
.bind()	127
.unbind()	131
.one()	134
.trigger()	135
.triggerHandler()	136
.live()	137
.die()	139
Document loading	140
.ready()	140
.load()	141
.unload()	143
.error()	144
Mouse events	144
.mousedown()	145
.mouseup()	146
.click()	148
.dblclick()	149
.toggle()	151
.mouseover()	152
.mouseout()	154
.mouseenter()	156
.mouseleave()	157
.hover()	159
.mousemove()	160
Form events	162
.focus()	162
.blur()	163
.change()	165
.select()	166
.submit()	167
Keyboard events	169
.keydown()	169
.keypress()	171
.keyup()	172
Browser events	174
.resize()	174
.scroll()	175

Chapter 6: Effect Methods	177
Pre-packaged effects	177
.show()	177
.hide()	179
.toggle()	181
.slideDown()	184
.slideUp()	185
.slideToggle()	186
.fadeIn()	189
.fadeOut()	190
.fadeTo()	192
Customized effects	193
.animate()	193
.stop()	198
.delay()	199
.queue()	200
.dequeue()	201
.clearQueue()	202
Chapter 7: AJAX Methods	203
Low-level interface	203
\$.ajax()	203
\$.ajaxSetup()	209
Shorthand methods	210
\$.get()	210
.load()	211
\$.post()	212
\$.getJSON()	213
\$.getScript()	214
Global AJAX event handlers	215
.ajaxComplete()	215
.ajaxError()	217
.ajaxSend()	218
.ajaxStart()	219
.ajaxStop()	220
.ajaxSuccess()	221
Helper functions	223
.serialize()	223
.serializeArray()	224

Chapter 8: Miscellaneous Methods	227
Setup methods	227
\$.noConflict()	227
DOM element methods	228
.size()	228
.get()	229
.index()	230
Collection manipulation	232
.each()	232
\$.grep()	234
\$.makeArray()	235
\$.inArray()	236
\$.map()	237
\$.merge()	239
\$.unique()	240
\$.extend()	240
\$.trim()	242
\$.param()	243
Introspection	244
\$.isArray()	244
\$.isFunction()	245
\$.isPlainObject()	245
\$.isEmptyObject()	245
\$.isXMLDoc()	246
Data storage	246
.data()	246
.removeData()	248
Chapter 9: jQuery Properties	249
Global properties	249
\$.browser	249
\$.support	250
\$.support.boxModel	250
\$.support.cssFloat	251
\$.support.hrefNormalized	251
\$.support.htmlSerialize	251
\$.support.leadingWhitespace	251
\$.support.noCloneEvent	251
\$.support.objectAll	251
\$.support.opacity	252
\$.support.scriptEval	252
\$.support.style	252
\$.support.tbody	252

jQuery object properties	252
.length	252
.selector	253
.context	254
Chapter 10: The Plug-in API	255
Using a plug-in	255
Developing a plug-in	256
Object method	256
Global function	258
Selector expression	261
Plug-in conventions	262
Use of the \$ alias	262
Naming conventions	263
API standardization	263
Chapter 11: Alphabetical Quick Reference	265
Selector expressions	265
Methods	268
Properties	281
Appendix A: Online Resources	283
jQuery documentation	283
JavaScript reference	284
JavaScript code compressors	285
JavaScript code decompressors	286
(X)HTML reference	286
CSS reference	287
Useful blogs	287
Web development frameworks using jQuery	289
Appendix B: Development Tools	291
Tools for Firefox	291
Tools for Internet Explorer	292
Tools for Safari	293
Tools for Opera	294
Other tools	294
Index	297
