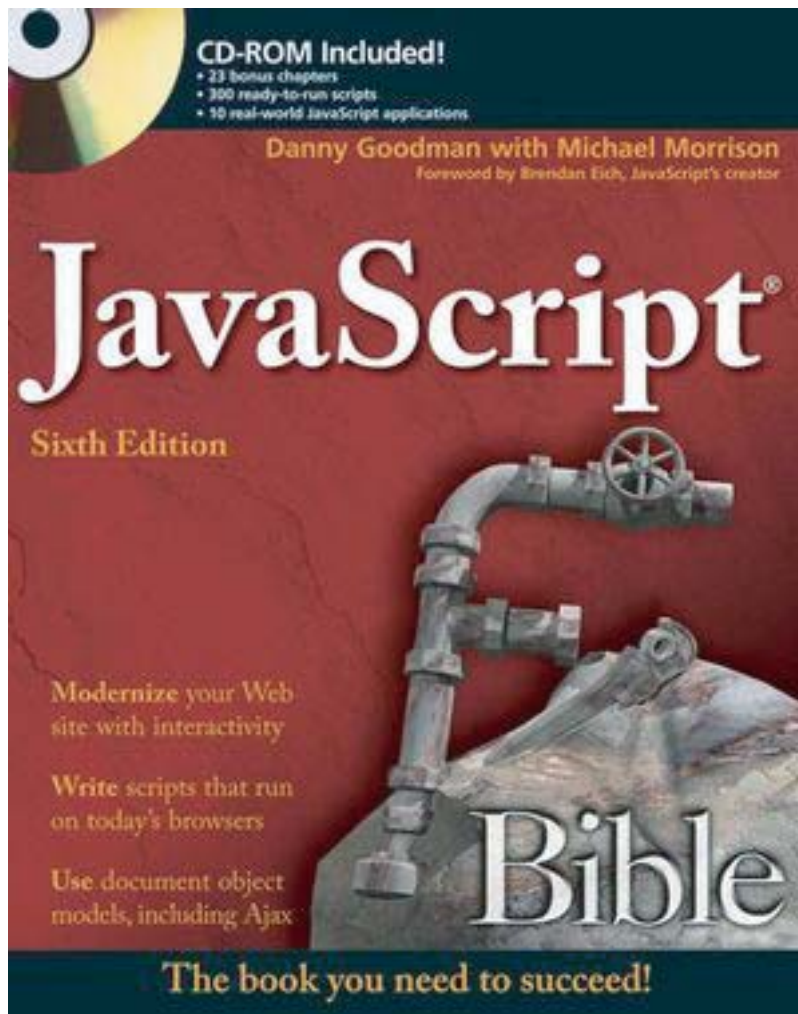


JavaScript and Browser Objects Quick Reference

JavaScript Bible, 6th Edition

Danny Goodman

Appendix A



JavaScript and Browser Objects Quick Reference

String 28

constructor	anchor("anchorName")
length	big()
prototype	blink()
	bold()
	charAt(index)
	charCodeAt(i i)
	concat(string2)
	fixed()
	fontcolor(#rrggbb)
	fontSize(1 to 7)
	fromCharCode(n1...)*
	indexOf("str" [,i])
	italics()
	lastIndexOf("str" [,i])
	link(url)
	localeCompare()
	match(regexp)
	replace(regexp, str)
	search(regexp)
	slice(i,j)
	small()
	split(char)
	strike()
	sub()
	substr(start,length)
	substring(intA, intB)
	sup()
	toLocaleLowerCase()
	toLocaleUpperCase()
	toLowerCase()
	toString()
	toUpperCase()
	valueOf()

*Method of the static String object.

Regular Expressions 42

global	compile(regexp)
ignoreCase	exec("string")*
input	test("string")
lastIndex	str.match(regexp)
multiline	str.replace(regexp, "string")
lastMatch	str.search(regexp)
lastParen	str.split(regexp, limit)
leftContext	
prototype	
rightContext	
source	
\$1...\$9	

*Returns array with properties: index, input, [0], ..., [n].

Array 31

constructor	concat(array2)
length	every(func[, thisObj]) ^{M1.8}
prototype	filter(func[, thisObj]) ^{M1.8}
	forEach(func[, thisObj]) ^{M1.8}
	indexOf(func[, thisObj]) ^{M1.8}
	join("char")
	lastIndexOf(func[, thisObj]) ^{M1.8}
	map(func[, thisObj]) ^{M1.8}
	pop()
	push()
	reverse()
	shift()
	slice(i, j)
	some(func[, thisObj]) ^{M1.8}
	sort(compareFunc)
	splice(i, j, items)
	toLocaleString()
	toString()
	unshift()

Function 34

arguments	apply(this, argsArray)
caller	call(this[, arg1[, ...argN]])
constructor	toString()
length	valueOf()
prototype	

Date 30

constructor	getFullYear()
prototype	getYear()
	getMonth()
	getDate()
	getDay()
	getHours()
	getMinutes()
	getSeconds()
	getTime()
	getMilliseconds()
	getUTCFullYear()
	getUTCMonth()
	getUTCDate()
	getUTCDay()
	getUTCHours()
	getUTCMinutes()
	getUTCSeconds()
	getUTCMilliseconds()
	parse("dateString")*
	setYear(val)
	setFullYear(val)
	setMonth(val)
	setDate(val)
	setDay(val)
	setHours(val)
	setMinutes(val)
	setSeconds(val)
	setMilliseconds(val)
	setTime(val)
	setUTCFullYear(val)
	setUTCMonth(val)
	setUTCDate(val)
	setUTCDay(val)
	setUTCHours(val)
	setUTCMinutes(val)
	setUTCSeconds(val)
	setUTCMilliseconds(val)
	getTimezoneOffset()
	toDateString()
	toGMTString()
	toLocaleDateString()
	toLocaleString()
	toLocaleTimeString()
	toString()
	toTimeString()
	toUTCString()
	UTC(dateValues)*

*Method of the static Date object.

Math* 29

E	abs(val)
LN2	acos(val)
LN10	asin(val)
LOG2E	atan(val)
LOG10E	atan2(val1, val2)
PI	ceil(val)
SQRT1_2	cos(val)
SQRT2	exp(val)
	floor(val)
	log(val)
	max(val1, val2)
	min(val1, val2)
	pow(val1, power)
	random()
	round(val)
	sin(val)
	sqrt(val)
	tan(val)

*All properties and methods are of the static Math object.

Error 32

prototype	toString()
constructor	
description ^E	
fileName ^E	
lineNumber	
message	
name	
number ^E	

Control Statements 32

```

if (condition) {
  statementsIfTrue
}

if (condition) {
  statementsIfTrue
} else {
  statementsIfFalse
}

result = condition ? expr1 : expr2

for ([init expr]; [condition]; [update expr]) {
  statements
}

for (var in object) {
  statements
}

for each ([var] varName in objectRef) {
  statements
}M1.8.1

with (objRef) {
  statements
}

do {
  statements
} while (condition)

yield valueM1.8.1

while (condition) {
  statements
}

return [value]

switch (expression) {
  case labelN:
    statements
    [break]
  ...
  [default:
    statements]
}

label:
continue [label]
break [label]

try {
  statements to test
}
catch (errorInfo) {
  statements if exception occurs in try block
}
[finally {
  statements to run, exception or not
}]

throw value

```

Number 29

constructor	toExponential(n)
MAX_VALUE	toFixed(n)
MIN_VALUE	toLocaleString()
NaN	toString([radix])
NEGATIVE_INFINITY	toPrecision(n)
POSITIVE_INFINITY	valueOf()
prototype	

Boolean 29

constructor	toString()
prototype	valueOf()

JavaScript and Browser Objects Quick Reference

Globals

35

Functions

atob()^M
 btoa()^M
 decodeURI("encodedURI")
 decodeURIComponent("encComp")
 decodeURI("URIString")
 encodeURIComponent("compString")
 escape("string" [,1])
 eval("string")
 isFinite(number)
 isNaN(expression)
 isXMLName("string")^{M1.8.1}
 Number("string")
 parseFloat("string")
 parseInt("string" [,radix])
 toString([radix])
 unescape("string")
 unwatch(prop)
 watch(prop, handler)

Statements

```
// /*...*/
const
var
```

Operators

33

Comparison

== Equals
 === Strictly equals
 != Does not equal
 !== Strictly does not equal
 > Is greater than
 >= Is greater than or equal to
 < Is less than
 <= Is less than or equal to

Arithmetic

+ Plus (and string concat.)
 - Minus
 * Multiply
 / Divide
 % Modulo
 ++ Increment
 -- Decrement
 -val Negation

Assignment

= Equals
 += Add by value
 -= Subtract by value
 *= Multiply by value
 /= Divide by value
 %= Modulo by value
 <<= Left shift by value
 >>= Right shift by value
 >>>= Zero fill by value
 &= Bitwise AND by value
 |= Bitwise OR by value
 ^= Bitwise XOR by value

Boolean

&& AND
 || OR
 ! NOT

Bitwise

& Bitwise AND
 | Bitwise OR
 ^ Bitwise XOR
 ~ Bitwise NOT
 << Left shift
 >> Right shift
 >>> Zero fill right shift

Miscellaneous

, Series delimiter
 delete Property destroyer
 in Item in object
 instanceof Instance of
 new Object creator
 this Object self-reference
 typeof Value type
 void Return no value

Appendix A

JavaScript Bible, 6th Edition by Danny Goodman

How to Use This Quick Reference

This guide contains quick reference info for the core JavaScript language and browser object models starting with IE 5.5, Mozilla, and Safari.

Numbers in the upper right corners of object squares are chapter numbers in which the object is covered in detail.

Each term is supported by all baseline browsers unless noted with a superscript symbol indicating browser brand and version:

E—Internet Explorer M—Mozilla S—Safari
 For example, M1.4 means the term is supported only by Mozilla 1.4 or later; E means the terms is supported only by Internet Explorer.

frameset

16

border (None) onload
 borderColor^E
 cols
 frameBorder^E
 frameSpacing^E
 rows

iframe

16

align
 allowTransparency^E
 borderColor^E
 contentDocument^{MS}
 contentWindow^{EM}
 frameBorder^E
 frameSpacing^E
 height^E
 longDesc
 marginHeight
 marginWidth
 name
 noResize
 scrolling
 src
 vspace^E
 width

frame

16

allowTransparency^E
 borderColor^E
 contentDocument^{MS}
 contentWindow^{EM}
 frameBorder^E
 height^E
 longDesc
 marginHeight
 marginWidth
 name
 noResize
 scrolling
 src
 width^E

popup^E

16

document hide()
 isOpen show()

location

17

hash assign("url")
 host reload([unconditional])
 hostname replace("url")
 href
 pathname
 port
 protocol
 search

history

17

current^{M(signed)} back()
 length forward()
 next^{M(signed)} go(int | "url")
 previous^{M(signed)}

window

16

appCore^M
 clientInformation^{ES1.2}
 clipboardData^E
 closed
 Components[]]^M
 content^M
 controllers[]]^M
 crypto^M
 defaultStatus
 dialogArguments^E
 dialogHeight^E
 dialogLeft^E
 dialogTop^E
 dialogWidth^E
 directories^M
 document
 event^{ES}
 external^E
 frameElement^{EMS1.2}
 frames[]]
 fullScreen^{M1.4}
 history
 innerHeight^{MS}
 innerWidth^{MS}
 length
 location
 locationbar^M
 menubar^M
 name
 navigator
 netscape^M
 offscreenBuffering^{ES1.2}
 opener
 outerHeight^{MS}
 outerWidth^{MS}
 pageXOffset^{MS}
 pageYOffset^{MS}
 parent
 personalbar^M
 pkcs11^M
 prompter^M
 returnValue^E
 screen
 screenLeft^{ES1.2}
 screenTop^{ES1.2}
 screenX^{MS1.2}
 screenY^{MS1.2}
 scrollbars^M
 scrollMaxX^{M1.4}
 scrollMaxY^{M1.4}
 scrollX^{MS}
 scrollY^{MS}
 self
 sidebar^M
 status
 statusBar^M
 toolbar^M
 top
 window

addEventListener("evt",func,capt)^{MS}
 alert("msg")
 attachEvent("evt",func)^E
 back()^M
 blur()
 clearInterval(ID)
 clearTimeout(ID)
 close()
 confirm("msg")
 createPopup()^E
 detachEvent("evt",func)^E
 dispatchEvent()^{MS}
 dump("msg")^{M1.4}
 execScript("exprList" [,lang])^E
 find(["str" [,case[,up]])^M
 fireEvent("evt" [,evtObj])^E
 focus()
 forward()^M
 geckoActiveXObject(ID)^{M1.4}
 getComputedStyle(node, "")^M
 getSelection()^{MS}
 home()^M
 moveBy(Δx, Δy)
 moveTo(x, y)
 navigate("url")^E
 open("url", "name" [, specs])
 openDialog("url", "name" [, specs])^M
 print()
 prompt("msg", "reply")
 removeEventListener("evt",func,capt)^{MS}
 resizeBy(Δx, Δy)
 resizeTo(width, height)
 scroll()
 scrollBy(Δx, Δy)
 scrollByLines(n)^M
 scrollByPages(n)^M
 scrollTo(x, y)
 setInterval(func, msec[, args])
 setTimeout(func, msec[, args])
 showHelp("url")^E
 showModalDialog("url" [, args] [, features])^{ES2.01}
 showModelessDialog("url" [, args] [, features])^E
 sizeToContent()^M
 stop()^M
 abort^M
 onafterprint^E
 onbeforeprint^E
 onbeforeunload^E
 onblur
 onclick
 onclose
 onerror
 onfocus
 onhelp^E
 onkeydown
 onkeypress
 onkeyup
 onload
 onmousedown
 onmousemove
 onmouseout
 onmouseover
 onmouseup
 onmove
 onreset
 onresize^{EM}
 onscroll^{EMS1.3}
 onunload

JavaScript and Browser Objects Quick Reference

document		18
activeElement ^E	clear()	onselectionchange ^E
alinkColor	close()	onstop ^E
anchors[]	createAttribute("name") ^{E6MS}	
applets[]	createCDATASection("data") ^M	
baseURI ^M	createComment("text") ^{E6MS}	
bgColor	createDocumentFragment() ^{E6MS}	
body	createElement("tagname")	
charset ^E	createElementNS("uri","tagname")	
characterSet ^M	createEvent("evtType") ^{MS}	
compatMode ^{EM}	createEventObject([evtObj]) ^E	
contentType ^M	createNSResolver(nodeResolver) ^M	
cookie	createRange() ^M	
defaultCharset ^E	createStyleSheet(["url",index]) ^E	
defaultView ^M	createTextNode("text")	
designMode ^{EM}	createTreeWalker(root,what,filterfunc,exp) ^{M1.4}	
doctype ^M	elementFromPoint(x,y) ^E	
documentElement	evaluate("expr,node,resolver,type,result") ^M	
documentURI ^{M1.7}	execCommand("cmd",[U],[,param]) ^{EM1.3S1.3}	
domain	getElementById("ID")	
embeds[]	getElementsByName("name")	
expando ^E	importNode(node,deep) ^M	
fgColor	open(["mimetype",[,replace]])	
fileCreatedDate ^E	queryCommandEnabled("commandName") ^{EM1.3}	
fileModifiedDate ^E	queryCommandIndeterm("commandName")	
fileSize ^E	queryCommandState("commandName")	
forms[]	queryCommandSupported("commandName")	
frames[]	queryCommandText("commandName")	
height ^{MS}	queryCommandValue("commandName")	
images[]	recalc([all]) ^E	
implementation ^{E6MS}	write("string")	
inputEncoding ^{M1.8}	writeln("string")	
lastModified		
linkColor		
links[]		
location		
media ^E		
mimeType ^E		
nameProp ^{E6}		
namespaces[]		
parentWindow ^E		
plugins[]		
protocol ^E		
referrer		
scripts[] ^E		
security ^E		
selection ^E		
strictErrorChecking ^{M1.8}		
styleSheets[]		
title		
URL		
URLUnencoded ^E		
vlinkColor		
width ^{MS}		
xmlEncoding ^{M1.8}		
xmlStandalone ^{M1.8}		
xmlVersion ^{M1.8}		

link		37
charset	(None)	onload ^E
disabled		
href		
hreflang ^{E6MS}		
media		
rel		
rev		
sheet ^M		
stylesheet ^E		
target		
type		

script		37
defer		
event		
htmlFor		
src		
text		
type		

html		37
version ^{E6MS}		

head		37
profile		

title		37
text		

base		37
href		
target		

meta		37
charset ^E		
content		
http-equiv		
name		
url ^E		

All HTML Element Objects		15
accessKey	addBehavior("url") ^E	onactivate ^E
all[] ^E	addEventListener("evt",func,capt) ^{MS}	onafterupdate ^E
attributes[]	appendChild(node)	onbeforecopy ^{E51.3}
baseURI ^M	applyElement(elem[,type]) ^E	onbeforecut ^{E51.3}
behaviorUrns[] ^E	attachEvent("evt",func) ^E	onbeforedeactivate ^E
canHaveChildren ^E	blur()	onbeforeeditfocus ^E
canHaveHTML ^E	clearAttributes() ^E	onbeforepaste ^{E51.3}
childNodes[]	click()	onbeforeupdate ^E
children ^{E51.2}	cloneNode(deep)	onblur
cite ^{E6MS}	compareDocumentPosition(node) ^{M1.4}	oncellchange ^E
className	componentFromPoint(x,y) ^E	onclick
clientHeight	contains(elem) ^E	oncontextmenu ^{EM}
clientLeft ^E	createControlRange() ^E	oncontrolselect ^E
clientTop ^E	detachEvent("evt",func) ^E	oncopy ^{E51.3}
clientWidth	dispatchEvent(evtObj) ^{MS}	oncut ^{E51.3}
contentEditable ^{E51.2}	doScroll("action") ^E	ondataavailable ^E
currentStyle ^E	dragDrop() ^E	ondatastoragechanged ^E
dateTime ^{E6M}	fireEvent("evtType",evtObj) ^E	ondatasetcomplete ^E
dataFld ^E	focus()	ondblclick
dataFormatAs ^E	getAdjacentText("where") ^E	ondeactivate ^E
dataSrc ^E	getAttribute("name",[,case])	ondrag ^{E51.3}
dir	getAttributeNode("name") ^{E6MS}	ondragend ^{E51.3}
disabled	getAttributeNodeNS("uri","name") ^M	ondragenter ^{E51.3}
document ^{E51.2}	getAttributeNS("uri","name") ^M	ondragleave ^{E51.3}
filters[] ^E	getBoundingClientRect() ^E	ondragover ^{E51.3}
firstChild	getClientRects() ^E	ondragstart ^{E51.3}
height	getElementsByName("tagname")	ondrop ^{E51.3}
hideFocus ^E	getElementsByTagNameNS("uri","name") ^M	onerrordata ^E
id	getExpression("attrName") ^E	onfilterchange ^E
innerHTML	getFeature("feature","version") ^{M1.7.2}	onfocus
innerText ^{ES}	getUserData("key") ^{M1.7.2}	onfocusin ^E
isContentEditable ^{E51.2}	hasAttribute("attrName") ^{MS}	onfocusout ^E
isDisabled ^E	hasAttributeNS("uri","name") ^M	onhelp ^E
isMultiLine ^E	hasAttributes() ^{MS}	onkeydown
isTextEdit ^E	hasChildNodes()	onkeypress
lang	insertAdjacentElement("where",obj) ^E	onkeyup
language ^E	insertAdjacentHTML("where","HTML") ^E	onlayoutcomplete ^E
lastChild	insertAdjacentText("where","text") ^E	onlosecapture ^E
length	insertBefore(newNode,refNode)	onmousedown
localName ^{MS}	isDefaultNamespace("uri") ^{M1.7.2}	onmouseenter ^E
namespaceURI ^{MS}	isEqualNode(node) ^{M1.7.2}	onmouseleave ^E
nextSibling	isSameNode(node) ^{M1.7.2}	onmousemove
nodeName	isSupported("feature","version") ^{MS}	onmouseout
nodeType	item(index)	onmouseover
nodeValue	lookupNamespaceURI("prefix") ^{M1.7.2}	onmouseup
offsetHeight	lookupPrefix("uri") ^{M1.7.2}	onmousewheel ^E
offsetLeft	mergeAttributes(srcObj) ^E	onmove ^E
offsetParent	normalize()	onmoveend ^E
offsetTop	releaseCapture() ^E	onmovestart ^E
offsetWidth	removeAttribute("attrName",[,case])	onpaste ^{E51.3}
outerHTML ^{E51.3}	removeAttributeNode(attrNode) ^{E6MS}	onpropertychange ^E
outerText ^{E51.3}	removeAttributeNS("uri","name") ^M	onreadystatechange ^{EMS1.2}
ownerDocument	removeBehavior(ID) ^E	onresize
parentElement ^{E51.2}	removeChild(node)	onresizeend ^E
parentNode	removeEventListener("evt",func,capt) ^{MS}	onresizestart ^E
parentTextEdit ^E	removeExpression("propName") ^E	onrowenter ^E
prefix ^{MS}	removeNode(childrenFlag) ^E	onrowexit ^E
previousSibling	replaceAdjacentText("where","text") ^E	onrowsdelete ^E
readyState ^E	replaceChild(newNode,oldNode)	onrowsinserted ^E
recordNumber ^E	replaceNode(newNode) ^E	onscroll ^E
runtimeStyle ^E	scrollIntoView(topFlag) ^{EMS2.02}	onselectstart ^{E51.3}
scopeName ^E	setActive() ^E	
scrollHeight	setAttribute("name","value",[,case])	
scrollLeft	setAttributeNode(attrNode) ^{E6MS}	
scrollTop	setAttributeNodeNS("uri","name") ^M	
scrollWidth	setAttributeNS("uri","name","value") ^M	
sourceIndex ^E	setCapture(containerFlag) ^E	
style	setExpression("propName","expr") ^E	
tabIndex	setUserData("key",data,handler) ^{M1.7.2}	
tagName	swapNode(nodeRef) ^E	
tagUrn ^E	tags("tagName") ^E	
textContent ^{M1.7}	toString()	
title	urns("behaviorURN") ^E	
uniqueID ^E		
unselectable ^E		
width		

JavaScript and Browser Objects Quick Reference

body		18
alink	createControlRange() ^E	onafterprint ^E
background	createTextRange() ^E	onbeforeprint ^E
bgColor	doScroll("scrollAction") ^E	onscroll ^E
bgProperties ^E		
bottomMargin ^E		
leftMargin ^E		
link		
noWrap ^E		
rightMargin ^E		
scroll ^E		
scrollLeft ^{EM}		
scrollTop ^{EM}		
text		
topMargin ^E		
vLink		

h1...h6		36
align		

br		36
clear		

blockquote, q		36
cite ^{E6MS}		

font		36
color		
face		
size		

Range ^{MS}		36
collapsed	cloneContents()	
commonAncestorContainer	cloneRange()	
endContainer	collapse(<i>start</i>)	
endOffset	compareBoundaryPoints(<i>type,src</i>)	
startContainer	compareNode(<i>node</i>)	
startOffset	comparePoint(<i>node,offset</i>)	
	createContextualFragment("text")	
	deleteContents()	
	detach()	
	extractContents()	
	insertNode(<i>node</i>)	
	intersectsNode(<i>node</i>)	
	isPointInRange(<i>node,offsetset</i>)	
	selectNode(<i>node</i>)	
	selectNodeContents(<i>node</i>)	
	setEnd(<i>node,offset</i>)	
	setEndAfter(<i>node</i>)	
	setEndBefore(<i>node</i>)	
	setStart(<i>node,offset</i>)	
	setStartAfter(<i>node</i>)	
	setStartBefore(<i>node</i>)	
	surroundContents(<i>node</i>)	
	toString()	

marquee		36
behavior ^E	start() ^{EM}	onbounce ^E
bgColor ^E	stop() ^{EM}	onfinish ^E
direction ^{EM}		onstart ^E
height ^{EM}		
hspace ^{EM}		
loop ^E		
scrollAmount ^{EM}		
scrollDelay ^{EM}		
trueSpeed ^E		
vspace ^E		
width ^E		

ol		38
start		
type		

ul		38
type		

li		38
type		
value		

hr		36
align		
color ^E		
noShade		
size		
width		

dl, dt, dd		38
compact		

canvas ^{M1.851.3}		20
fillStyle	arc(<i>x,y,radius,start,end,clockwise</i>)	
globalAlpha	arcTo(<i>x1,y1,x2,y2,radius</i>)	
globalCompositeOperation	bezierCurveTo(<i>cp1x,cp1y,cp2x,cp2y,x,y</i>)	
lineCap	beginPath()	
lineJoin	clearRect(<i>x,y,width,height</i>)	
lineWidth	clip()	
miterLimit	closePath()	
shadowBlur	createLinearGradient(<i>x1,y1,x2,y2</i>)	
shadowColor	createPattern(<i>img,repetition</i>)	
shadowOffsetX	createRadialGradient(<i>x1,y1,radius1,x2,y2,radius2</i>)	
shadowOffsetY	drawImage(<i>img,x,y</i>)	
shadowOffsetY	drawImage(<i>img,x,y,width,height</i>)	
strokeStyle	fill()	
target	fillRect(<i>x,y,width,height</i>)	
	getContext(<i>contextID</i>)	
	lineTo(<i>x,y</i>)	
	moveTo(<i>x,y</i>)	
	quadraticCurveTo(<i>cpx,cpy,x,y</i>)	
	rect(<i>x,y,width,height</i>)	
	restore()	
	rotate(<i>angle</i>)	
	save()	
	scale(<i>x,y</i>)	
	stroke()	
	strokeRect(<i>x,y,width,height</i>)	
	translate(<i>x,y</i>)	

img		20
align	(None)	onabort
alt		onerror
border		onload
complete ^{EM}		
dynsrc ^E		
fileCreatedDate ^E		
fileModifiedDate ^E		
fileSize ^E		
fileUpdatedDate ^E		
height		
href		
hspace		
isMap		
longDesc ^{E6MS}		
loop ^E		
lowsrc ^{EM}		
mimeType ^{E6}		
name		
nameProp ^E		
naturalHeight ^M		
naturalWidth ^M		
protocol ^E		
src		
start ^E		
useMap		
vspace		
width		
x ^{MS}		
y ^{MS}		

TextRange ^E		36
boundingHeight	collapse(<i>start</i>)	
boundingLeft	compareEndPoints("type", <i>range</i>)	
boundingTop	duplicate()	
boundingWidth	execCommand("cmd" _{[,UI[,vaf]]})	
htmlText	expand("unit")	
offsetLeft	findText("str" _[,scope,flags])	
offsetTop	getBookmark()	
text	getBoundingClientRect()	
	getClientRects()	
	inRange(<i>range</i>)	
	isEqual(<i>range</i>)	
	move("unit" _[,count])	
	moveEnd("unit" _[,count])	
	moveStart("unit" _[,count])	
	moveToBookmark("bookmark")	
	moveToElementText(<i>elem</i>)	
	moveToPoint(<i>x,y</i>)	
	parentElement()	
	pasteHTML("HTMLText")	
	queryCommandEnabled("cmd")	
	queryCommandIndeterm("cmd")	
	queryCommandState("cmd")	
	queryCommandSupported("cmd")	
	queryCommandText("cmd")	
	queryCommandValue("cmd")	
	scrollIntoView()	
	select()	
	setEndPoint("type", <i>range</i>)	

selection		36
anchorNode ^M	addRange(<i>range</i>) ^M	
anchorOffset ^M	clear() ^E	
focusNode ^M	collapse(<i>node,offset</i>) ^M	
focusOffset ^M	collapseToEnd() ^M	
isCollapsed ^M	collapseToStart() ^M	
rangeCount ^M	containsNode(<i>node,entireFlag</i>) ^M	
type ^E	createRange() ^E	
typeDetail ^E	deleteFromDocument() ^M	
	empty() ^E	
	extend(<i>node,offset</i>) ^M	
	getRangeAt(<i>rangeIndex</i>) ^M	
	removeAllRanges() ^M	
	removeRange(<i>range</i>) ^M	
	selectAllChildren(<i>elementRef</i>) ^M	
	toString() ^M	

map		20
areas[]	(None)	onscroll ^E
name		

TextRectangle ^E		36
bottom		
left		
right		
top		

area		20
alt		
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