

# CONTENTS IN DETAIL

## INTRODUCTION

Background.....	xxix	Testing Environment .....	xxxii
The Purpose of This Book.....	xxxii	Updates.....	xxxii
What Is in This Book.....	xxxii	Code Conventions .....	xxxiii
How to Use This Book.....	xxxii		

## PART I: FUNDAMENTALS

### 1

#### CASCADING STYLE SHEETS

Style Sheets .....	4	Pseudo-Elements in Selectors.....	10
External Style Sheets .....	4	The Important Attribute .....	10
Using the @import Rule to Connect with External Style Sheets .....	4	Precedence .....	11
Internal Style Sheets .....	5	Style Attributes and Properties .....	11
Inline Style Sheets .....	5	Positioning Elements on the Page .....	13
Style Sheet Summary.....	6	The Rectangular Container of Block Elements .....	14
Declarations .....	6	Cartesian Positioning .....	15
Selectors .....	6	The z-index.....	15
Simple Selectors .....	6	Nesting.....	15
Contextual Selectors.....	7	Inheritance .....	16
Using the class Attribute as a Selector .....	7	Positioning Elements Following W3C Recommendations.....	16
Using the id Attribute as a Selector .....	8	Position Values .....	17
Summary of Using Selectors .....	8	Static Positioning.....	17
Attribute Selectors in CSS2 .....	8	Absolute Positioning .....	18
Anchor Pseudo-Classes.....	9	Relative Positioning.....	18
Typographical Pseudo-Elements .....	9	Other Positioning Attributes .....	19
The First-Line Pseudo-Element .....	9	Units of Measurement Used in Attributes .....	19
The First-Letter Pseudo-Element .....	10		

### 2

#### OBJECT-ORIENTED PROGRAMMING: THE DOM AND THE NODE TREE

Introduction to Objects.....	21	Methods .....	24
The Period Operator (.).....	22	Collections.....	24
Browsers and Objects.....	22	Nodes.....	25
Properties .....	23		

### 3

## EVENTS AND EVENT HANDLERS

Event Handlers.....	27	Capturing Event Information.....	30
Event Handlers Inside an HTML Tag.....	28	Event Propagation.....	31
Event Handlers Inside the <script> Tag ..	28	Internet Explorer Event Propagation .....	31
Event Handler Return Values .....	29	Netscape Event Capture and	
Event Handlers as Object Properties.....	29	Propagation.....	32

### 4

## JAVASCRIPT CORE LANGUAGE AND FUNDAMENTALS

Versions of JavaScript.....	34	Loops.....	51
What Can JavaScript Do for You?.....	34	for Loop.....	51
Client-Side JavaScript.....	35	break.....	52
Including JavaScript Code		continue.....	52
in an HTML Page.....	35	for . . . in.....	53
JavaScript and HTML		while Loop.....	53
Case Sensitivity.....	36	do while Loop.....	54
JavaScript Declarations.....	37	Functions.....	54
Using JavaScript Declarations		The Parameters of a Function.....	55
Inside HTML.....	37	The Void Operator.....	56
Variables.....	38	Literal Functions.....	57
Types of Variables.....	38	Nested Functions.....	57
JavaScript Reserved Words.....	38	Function Constructors.....	58
Working with Data.....	39	Objects.....	58
String Data.....	39	Creating Your Own Objects.....	59
Concatenating String Data.....	41	Assigning a Function to an Object.....	60
Numbers.....	41	The with Operator.....	60
Working with Numbers.....	42	Operator Precedence.....	61
Converting a Number to a String... 43		JavaScript Predefined Objects.....	62
Converting a String Literal		The instanceof Operator.....	62
to a Number.....	43	The Array Object.....	62
Booleans.....	44	Creating an Empty Array.....	63
Null Values.....	44	Literal Arrays.....	63
Undefined Values.....	44	Removing an Element	
Assignment Operators.....	45	from an Array.....	64
Comparative Operators.....	45	Predefined Arrays.....	64
Logical Operators.....	46	The String Object.....	65
Conditional Structures: If, If . . . Else,		The Math Object.....	65
If . . . Else If.....	47	The Number Object.....	66
Simple Conditional Structures.....	47	The Boolean Object.....	66
Complex Conditional Structures.....	48	The Date Object.....	66
Nested Conditional Structures.....	48	Performing Date and Time	
Conditional Expressions.....	49	Calculations.....	67
Switch Statement.....	50		

## PART II: REFERENCES

### 5

#### HTML ELEMENTS

<a> . . . </a> . . . . .	72	<img> . . . . .	159
<acronym> . . . </acronym> . . . . .	75	<input> . . . . .	162
<address> . . . </address> . . . . .	77	<ins> . . . </ins> . . . . .	173
<applet> . . . </applet> . . . . .	79	<isindex> . . . . .	175
<area> . . . </area> . . . . .	81	<kbd> . . . </kbd> . . . . .	177
<b> . . . </b> . . . . .	82	<keygen> . . . </keygen> . . . . .	179
<base> . . . . .	84	<label> . . . </label> . . . . .	180
<basefont> . . . . .	86	<legend> . . . </legend> . . . . .	182
<bdo> . . . </bdo> . . . . .	87	<li> . . . </li> . . . . .	184
<bgsound> . . . . .	89	<link> . . . . .	186
<big> . . . </big> . . . . .	91	<listing> . . . </listing> . . . . .	188
<blockquote> . . . </blockquote> . . . . .	93	<map> . . . </map> . . . . .	190
<body> . . . </body> . . . . .	95	<marquee> . . . </marquee> . . . . .	191
  . . . . .	97	<menu> . . . </menu> . . . . .	194
<button> . . . </button> . . . . .	98	<meta> . . . . .	196
<caption> . . . </caption> . . . . .	101	<nobr> . . . </nobr> . . . . .	201
<center> . . . </center> . . . . .	103	<noembed> . . . </noembed> . . . . .	202
<cite> . . . </cite> . . . . .	105	<noframes> . . . </noframes> . . . . .	203
<code> . . . </code> . . . . .	107	<noscript> . . . </noscript> . . . . .	204
<col> . . . . .	109	<object> . . . </object> . . . . .	205
<colgroup> . . . </colgroup> . . . . .	111	<ol> . . . </ol> . . . . .	208
<comment> . . . </comment> . . . . .	113	<optgroup> . . . </optgroup> . . . . .	210
<custom> . . . </custom> . . . . .	114	<option> . . . </option> . . . . .	211
<dd> . . . </dd> . . . . .	117	<p> . . . </p> . . . . .	213
<del> . . . </del> . . . . .	119	<param> . . . . .	215
<dfn> . . . </dfn> . . . . .	121	<plaintext> . . . </plaintext> . . . . .	216
<dir> . . . </dir> . . . . .	123	<pre> . . . </pre> . . . . .	217
<div> . . . </div> . . . . .	125	<q> . . . </q> . . . . .	219
<dl> . . . </dl> . . . . .	128	<rt> . . . . .	221
<!DOCTYPE> . . . . .	130	<ruby> . . . </ruby> . . . . .	223
<dt> . . . </dt> . . . . .	131	<s> . . . </s> . . . . .	225
<em> . . . </em> . . . . .	134	<samp> . . . </samp> . . . . .	227
<embed> . . . </embed> . . . . .	136	<script> . . . </script> . . . . .	229
<fieldset> . . . </fieldset> . . . . .	138	<select> . . . </select> . . . . .	230
<font> . . . </font> . . . . .	140	<small> . . . </small> . . . . .	232
<form> . . . </form> . . . . .	142	<spacer> . . . . .	235
<frame> . . . . .	145	<span> . . . </span> . . . . .	235
<frameset> . . . </frameset> . . . . .	147	<strike> . . . </strike> . . . . .	237
<head> . . . </head> . . . . .	149	<strong> . . . </strong> . . . . .	239
<hN> . . . </hN> . . . . .	150	<style> . . . </style> . . . . .	241
<hr> . . . . .	152	<sub> . . . </sub> . . . . .	242
<html> . . . </html> . . . . .	154	<sup> . . . </sup> . . . . .	244
<i> . . . </i> . . . . .	155	<table> . . . </table> . . . . .	247
<iframe> . . . </iframe> . . . . .	158	<tbody> . . . </tbody> . . . . .	249

<td> . . . </td> .....	251	<tt> . . . </tt> .....	264
<textarea> . . . </textarea> .....	254	<u> . . . </u> .....	266
<tfoot> . . . </tfoot>, <thead> . . . </thead> .....	256	<ul> . . . </ul> .....	268
<th> . . . </th> .....	258	<var> . . . </var> .....	270
<title> . . . </title> .....	261	<wbr> .....	272
<tr> . . . </tr> .....	262	<xml> . . . </xml> .....	274
		<xmp> . . . </xmp> .....	275

## 6

### HTML ATTRIBUTES

abbr .....	279	color .....	298
accept .....	280	cols (1) .....	299
acceptcharset .....	280	cols (2) .....	299
accesskey .....	281	cols (3) .....	300
action .....	281	colspan .....	300
align (1) .....	282	compact .....	301
align (2) .....	282	contenteditable .....	301
align (3) .....	283	coords .....	302
align (4) .....	283	data .....	303
alink .....	284	datafld .....	304
allowtransparency .....	284	dataformatas .....	304
alt .....	285	datapagesize .....	304
application .....	285	datasrc .....	305
archive .....	285	datetime .....	305
autocomplete .....	286	declare .....	306
axis .....	286	defer .....	306
background .....	287	dir .....	307
balance .....	288	direction .....	307
begin .....	288	disabled .....	308
behavior .....	289	dynsrc .....	308
bgcolor .....	289	enctype / encoding .....	309
bgproperties .....	289	end .....	309
border .....	290	event .....	309
bordercolor .....	290	face .....	310
bordercolordark .....	291	for .....	310
bordercolorlight .....	291	frame .....	311
bottommargin .....	292	frameborder .....	312
cellpadding .....	292	framespacing .....	312
cellspacing .....	293	galleryimg .....	312
ch .....	293	headers .....	313
checked .....	294	height .....	314
choff .....	294	hidden .....	314
cite .....	295	hidefocus .....	315
class .....	295	href .....	315
classid .....	296	hreflang .....	316
clear .....	296	hspace .....	317
code .....	297	id .....	317
codebase .....	297	ismap .....	318
codetype .....	298	label (1) .....	319

label (2).....	319	start (1).....	340
lang .....	320	start (2).....	341
language .....	320	style .....	341
leftmargin.....	321	summary.....	342
link.....	321	syncmaster.....	342
loop .....	322	systemBitrate.....	343
lowsrc.....	322	systemCaptions.....	343
marginheight.....	323	systemLanguage.....	343
marginwidth.....	323	systemOverdubOrSubtitle.....	344
maxlength.....	324	tabindex.....	344
media.....	324	target.....	345
method.....	324	text.....	345
methods.....	325	timecontainer.....	346
multiple.....	325	timestartrule.....	346
name.....	326	title.....	346
nohref.....	326	topmargin.....	347
noresize.....	327	truespeed.....	347
noshade.....	327	type (1).....	348
nowrap.....	328	type (2).....	348
pluginspage.....	328	type (3).....	349
point-size.....	329	type (4).....	349
profile.....	329	type (5).....	350
prompt.....	330	type (6).....	350
readonly.....	330	type (7).....	351
rel.....	330	type (8).....	351
rev.....	331	type (9).....	352
rightmargin.....	331	units.....	352
rows (1).....	332	unselectable.....	353
rows (2).....	332	urn.....	353
rowspan.....	332	usemap.....	354
rules.....	333	valign.....	354
scope.....	334	value (1).....	355
scroll.....	335	value (2).....	355
scrollamount.....	335	valuetype.....	356
scrolldelay.....	336	vcard_name.....	356
scrolling.....	336	version.....	357
security.....	337	vlink.....	357
selected.....	337	volume.....	358
shape.....	337	vspace.....	358
size.....	338	weight.....	359
span.....	339	width.....	359
src (1).....	339	wrap.....	359
src (2).....	340	xmlns.....	360
standby.....	340		

## 7

### EVENT HANDLERS

onAbort.....	364	onAfterPrint.....	365
onActivate.....	364	onAfterUpdate.....	365

onBeforeActivate .....	368	onKeyDown .....	390
onBeforeCopy .....	369	onKeyPress .....	391
onBeforeCut .....	369	onKeyUp .....	391
onBeforeDeactivate .....	370	onLayoutComplete .....	392
onBeforeEditFocus .....	370	onLoad .....	392
onBeforePaste .....	371	onLoseCapture .....	392
onBeforePrint .....	371	onMouseDown .....	393
onBeforeUnload .....	372	onMouseEnter .....	394
onBeforeUpdate .....	373	onMouseLeave .....	395
onBlur .....	373	onMouseMove .....	395
onBounce .....	374	onMouseOut .....	396
onCellChange .....	374	onMouseOver .....	396
onChange .....	375	onMouseUp .....	397
onClick .....	375	onMouseWheel .....	397
onContextMenu .....	376	onMove .....	398
onControlSelect .....	377	onMoveEnd .....	399
onCopy .....	377	onMoveStart .....	399
onCut .....	378	onPaste .....	400
onDataAvailable .....	378	onPropertyChange .....	400
onDatasetChanged .....	379	onReadyStateChange .....	402
onDatasetComplete .....	379	onReset .....	402
onDbClick .....	380	onResize .....	403
onDeactivate .....	380	onResizeEnd .....	403
onDrag .....	381	onResizeStart .....	404
onDragEnd .....	382	onRowEnter .....	404
onDragEnter .....	382	onRowExit .....	405
onDragLeave .....	383	onRowsDelete .....	405
onDragOver .....	383	onRowsInserted .....	405
onDragStart .....	384	onScroll .....	406
onDrop .....	384	onSelect .....	406
onError .....	385	onSelectionChange .....	407
onErrorUpdate .....	385	onSelectStart .....	407
onFilterChange .....	386	onStart .....	408
onFinish .....	386	onStop .....	408
onFocus .....	387	onSubmit .....	409
onFocusIn .....	388	onTimeError .....	409
onFocusOut .....	388	onUnload .....	410
onHelp .....	389		

## 8

### CSS ATTRIBUTES AND JAVASCRIPT STYLE PROPERTIES

!important .....	412	@font-face .....	415
:active .....	412	@import .....	415
:first-letter .....	413	@media .....	416
:first-line .....	413	@page .....	416
:hover .....	413	accelerator .....	417
:link .....	414	background .....	418
:visited .....	414	background-attachment .....	419
@charset .....	415	background-color .....	419

background-image .....	420	margin-top, margin-right, margin-bottom,	
background-position .....	420	margin-left .....	454
background-position-x .....	421	min-height .....	454
background-position-y .....	421	overflow .....	455
background-repeat .....	422	overflow-x .....	456
behavior .....	422	overflow-y .....	457
border .....	423	padding .....	457
border-bottom, border-left, border-right,		padding-top, padding-right,	
border-top .....	424	padding-bottom, padding-left .....	458
border-bottom-color, border-left-color,		page-break-after, page-break-before,	
border-right-color, border-top-color .....	425	page-break-inside .....	458
border-bottom-style, border-left-style,		pixelBottom (*), pixelLeft (*), pixelRight (*),	
border-right-style, border-top-style .....	425	pixelTop (*) .....	459
border-bottom-width, border-left-width,		pixelHeight (*), pixelWidth (*) .....	460
border-right-width, border-top-width .....	426	posBottom (*), posLeft (*), posRight (*),	
border-collapse .....	427	posTop (*) .....	461
border-color .....	427	posHeight (*), posWidth (*) .....	461
border-style .....	428	position .....	462
border-width .....	428	right .....	463
bottom .....	428	ruby-align .....	463
clear .....	429	ruby-overhang .....	464
clip .....	430	ruby-position .....	465
color .....	431	Scroll Bar Color Properties .....	466
cursor .....	432	scrollbar-3dlight-color .....	466
direction .....	433	scrollbar-arrow-color .....	466
display .....	434	scrollbar-base-color .....	466
filter .....	436	scrollbar-darkshadow-color .....	466
float .....	437	scrollbar-face-color .....	466
font .....	438	scrollbar-highlight-color .....	466
font-family .....	439	scrollbar-shadow-color .....	466
font-size .....	440	scrollbar-track-color .....	466
font-style .....	440	styleFloat (*) .....	467
font-variant .....	441	table-layout .....	467
font-weight .....	441	text-align .....	468
hasLayout (*) .....	442	text-align-last .....	468
height .....	443	text-autospace .....	469
ime-mode .....	443	text-decoration .....	470
layout-flow .....	444	textDecoration Properties (*) .....	470
layout-grid .....	445	textDecorationLineThrough (*) .....	471
layout-grid-char .....	445	textDecorationNone (*) .....	471
layout-grid-line .....	446	textDecorationOverline (*) .....	471
layout-grid-mode .....	446	textDecorationUnderline (*) .....	471
layout-grid-type .....	447	text-indent .....	471
left .....	448	text-justify .....	471
letter-spacing .....	448	text-kashida-space .....	472
line-break .....	449	text-overflow .....	473
line-height .....	450	text-transform .....	473
list-style .....	450	text-underline-position .....	474
list-style-image .....	451	top .....	475
list-style-position .....	452	unicode-bidi .....	475
list-style-type .....	452	vertical-align .....	476
margin .....	453	visibility .....	477

white-space .....	478	writing-mode .....	482
width .....	479	z-index .....	482
word-break.....	479	zoom .....	483
word-spacing.....	480	Style Properties No Longer Supported .....	484
word-wrap .....	481		

## 9

### MICROSOFT INTERNET EXPLORER BEHAVIORS

Behavior Types .....	486	download.....	491
Using Behaviors .....	486	homePage.....	492
Through CSS.....	486	httpFolder.....	493
Through JavaScript .....	487	mediaBar .....	493
Default Microsoft Behaviors .....	487	saveFavorite .....	496
anchorClick .....	488	saveHistory.....	497
anim .....	488	saveSnapshot .....	498
clientCaps .....	489	userData .....	499

## 10

### MICROSOFT FILTERS AND TRANSITIONS

Common Filter Properties .....	502	FlipH .....	516
add .....	503	FlipV.....	516
bands .....	503	Glow .....	517
bias .....	503	Gray .....	518
color .....	503	ICMFilter.....	518
duration .....	503	Invert .....	519
enabled.....	504	Light .....	520
gridSizeX.....	504	MaskFilter .....	522
gridSizeY .....	504	Matrix.....	523
orientation .....	504	MotionBlur .....	524
percent (*) .....	504	RevealTrans .....	525
status (*).....	505	Shadow .....	526
strength .....	505	Wave .....	527
Common Filter Methods .....	505	XRay.....	528
apply() .....	506	Transition Filters.....	529
play() .....	506	Barn .....	529
stop() .....	506	Blinds .....	530
Static Filters .....	506	CheckerBoard.....	532
Alpha .....	506	Fade .....	533
BasicImage.....	508	GradientWipe .....	534
BlendTrans .....	509	Inset .....	535
Blur.....	510	Iris .....	536
Chroma.....	511	Pixelate.....	538
Compositor .....	512	RadialWipe.....	539
DropShadow.....	513	RandomBars .....	540
Emboss .....	514	RandomDissolve .....	541
Engrave.....	515	Slide .....	542

Spiral .....	543
Stretch .....	544
Strips .....	545

Wheel .....	546
ZigZag .....	547

## 11

### JAVASCRIPT PROPERTIES

abbr .....	550	browserLanguage .....	573
accept .....	550	bufferDepth .....	573
acceptCharset .....	551	button .....	574
accessKey .....	551	cancelBubble .....	575
action .....	552	canHaveChildren .....	575
activeElement .....	553	canHaveHTML .....	576
align (1) .....	553	caption .....	577
align (2) .....	554	cellIndex .....	577
align (3) .....	555	cellPadding .....	578
align (4) .....	555	cellSpacing .....	579
aLink .....	556	charset .....	579
alinkColor .....	556	checked .....	579
allowTransparency .....	557	cite .....	580
alt .....	558	classid .....	580
altHTML .....	558	className .....	581
altKey .....	559	clear .....	582
altLeft .....	559	clientHeight, clientWidth .....	583
appCodeName .....	560	clientLeft, clientTop .....	583
appMinorVersion .....	560	clientX, clientY .....	584
appName .....	561	clipBottom, clipLeft, clipRight, clipTop .....	584
appVersion .....	561	closed .....	585
archive .....	561	code .....	586
autocomplete .....	562	codeBase .....	586
availHeight .....	563	codeType .....	587
availLeft .....	563	color .....	588
availTop .....	563	colorDepth .....	588
availWidth .....	564	cols (1) .....	589
axis .....	564	cols (2) .....	589
background .....	565	cols (3) .....	589
balance .....	566	colSpan .....	590
BaseHref .....	567	compact .....	591
behavior .....	567	compatMode .....	591
bgColor .....	568	complete .....	592
bgProperties .....	568	constructor .....	592
blockDirection .....	569	content .....	593
border .....	569	contentEditable .....	593
borderColor .....	570	contentOverflow .....	594
borderColorDark .....	570	contentWindow .....	595
borderColorLight .....	571	cookie .....	595
bottom .....	571	cookieEnabled .....	596
bottomMargin .....	571	coords .....	596
boundingHeight, boundingWidth .....	572	Count .....	597
boundingLeft, boundingTop .....	572	cpuClass .....	598

cssRules	598	frame	624
cssText	599	frameBorder	625
ctrlKey	599	frameElement	626
ctrlLeft	600	frameSpacing	626
cursor	600	fromElement	627
data (1)	601	galleryImg	627
data (2)	601	hash	628
dataFld (1)	602	hasLayout	628
dataFld (2)	603	headers	629
dataFormatAs	604	height (1)	630
dataPageSize	604	height (2)	630
dataSrc	604	hidden	631
dateTime	605	hideFocus	631
declare	605	host	632
defaultCharSet	606	hostname	632
defaultChecked	606	href	633
defaultSelected	607	hreflang	633
defaultStatus	607	hspace	634
defaultValue	608	htmlFor	634
defer	608	htmlText	635
description	609	httpEquiv	636
designMode	609	id	636
deviceXDPI	610	indeterminate	637
deviceYDPI	610	index	637
dialogArguments	610	innerHTML	638
dialogHeight, dialogWidth	611	innerText	639
dialogLeft, dialogTop	612	isContentEditable	639
dir	612	isDisabled	640
direction	613	isMap	640
disabled	613	isMultiline	641
doctype	614	isOpen	641
documentElement	614	isTextEdit	642
domain	615	keyCode	642
dropEffect	615	label	643
dynsrc	616	lang	644
E	616	language (1)	644
effectAllowed	617	language (2)	645
encoding	617	lastChild	645
enctype	618	lastModified	646
event	618	layerX	646
expando	618	layerY	647
face	619	left	647
fgColor	620	leftMargin	647
FieldDelim	620	length (1)	648
fileCreatedDate	620	length (2)	649
fileModifiedDate	621	length (3)	649
filename	621	link	650
fileSize	622	linkColor	650
fileUpdatedDate	622	LN10	650
firstChild	622	LN2	651
fontSmoothingEnabled	623	LOG10E	651
form	624	LOG2E	652

logicalXDPI.....	652	port.....	681
logicalYDPI.....	652	POSITIVE_INFINITY.....	682
longDesc.....	653	previousSibling.....	682
loop.....	653	profile.....	683
lowsrc.....	654	propertyName.....	683
MAX_VALUE.....	654	protocol.....	684
maxLength.....	655	pseudoClass.....	684
media.....	655	qualifier.....	685
menuArguments.....	656	readOnly (1).....	685
method.....	656	readOnly (2).....	686
Methods.....	657	readyState.....	686
MIN_VALUE.....	657	reason.....	687
multiple.....	657	recordNumber.....	688
name (1).....	658	recordset.....	688
name (2).....	658	referrer.....	688
nameProp.....	659	rel.....	689
NEGATIVE_INFINITY.....	659	repeat.....	689
nextPage.....	660	returnValue.....	690
nextSibling.....	660	rev.....	690
nodeName.....	661	right.....	691
nodeType.....	662	rightMargin.....	691
nodeValue.....	662	rowIndex.....	692
noHref.....	663	rows (1).....	692
noResize.....	663	rows (2).....	693
noShade.....	664	rowSpan.....	693
noWrap.....	664	rules.....	694
object.....	665	saveType.....	695
offScreenBuffering.....	666	scheme.....	695
offsetHeight, offsetWidth.....	666	scope.....	696
offsetLeft, offsetTop.....	667	scopeName.....	697
offsetParent.....	667	screenLeft, screenTop.....	697
offsetX, offsetY.....	668	screenX, screenY (1).....	698
onLine.....	669	screenX, screenY (2).....	698
onOffBehavior.....	669	scroll.....	698
opener.....	670	scrollAmount.....	699
outerHTML.....	671	scrollDelay.....	699
outerText.....	672	scrollHeight, scrollWidth.....	700
ownerDocument.....	672	scrollLeft, scrollTop.....	700
owningElement.....	673	search.....	701
pageX.....	674	sectionRowIndex.....	702
pageY.....	674	selected.....	702
palette.....	675	selectedIndex.....	703
parent.....	675	selector.....	704
parentElement.....	676	selectorText.....	704
parentNode.....	677	self.....	705
parentStyleSheet.....	677	shape.....	705
parentTextEdit.....	678	shiftKey.....	706
parentWindow.....	679	shiftLeft.....	706
pathname.....	680	size (1).....	707
PI.....	680	size (2).....	707
platform.....	680	size (3).....	707
pluginspage.....	681	size (4).....	708

sourceIndex	709	type (7)	731
span	709	type (8)	732
specified	710	type (9)	732
SQRT1_2	710	type (10)	732
SQRT2	711	type (11)	733
src	711	type (12)	734
srcElement	712	typeDetail	734
srcFilter	712	uniqueID	734
srcUrn	713	units	735
standBy	714	updateInterval	735
start (1)	714	URL	736
start (2)	715	URLUnencoded	736
status (1)	715	urn	736
status (2)	716	useMap	737
suffixes	716	userAgent	737
summary	717	userLanguage	738
systemLanguage	717	vAlign (1)	738
tabIndex	717	vAlign (2)	739
tabStop	718	value (1)	739
tagName	719	value (2)	740
tagUrn	719	value (3)	740
target (1)	720	value (4)	741
target (2)	720	value (5)	741
text (1)	721	value (6)	742
text (2)	721	valueType	742
text (3)	722	vcard_name	743
text (4)	722	version	743
tFoot	723	viewInheritStyle	744
tHead	724	viewLink	744
title (1)	724	viewMasterTab	745
title (2)	724	vLink	745
title (3)	725	vlinkColor	745
toElement	726	volume	746
top (1)	726	vspace	746
top (2)	727	wheelDelta	747
topMargin	727	width (1)	747
trueSpeed	727	width (2)	748
type (1)	728	width (3)	748
type (2)	728	width (4)	749
type (3)	729	wrap	749
type (4)	729	x	750
type (5)	730	XMLDocument	750
type (6)	731	y	751

## 12

### JAVASCRIPT METHODS

abs()	754	add() (2)	755
acos()	754	addBehavior()	756
add() (1)	754	AddChannel()	757

AddDesktopComponent()	757	createPopup()	786
addElement()	758	createRange()	787
AddFavorite()	759	createStyleSheet()	787
addImport()	759	createTextNode()	788
addPageRule()	760	createTextRange()	788
addReadRequest()	760	createTFoot(), createTHead()	789
addRule()	761	deleteCaption()	789
alert()	762	deleteCell()	790
anchor()	762	deleteData()	791
appendChild()	762	deleteRow()	791
appendData()	763	deleteTFoot(), deleteTHead()	792
applyElement()	764	detachEvent()	792
asin()	765	doImport()	793
assign()	765	doReadRequest()	793
atan()	765	doScroll()	794
atan2()	766	dragDrop()	795
attachEvent()	766	duplicate()	795
AutoCompleteSaveForm()	767	elementFromPoint()	796
AutoScan()	768	empty()	796
back()	768	escape()	797
big()	769	eval()	797
blink()	769	execCommand()	798
blur()	769	execScript()	798
bold()	770	exp()	799
ceil()	770	expand()	799
charAt()	771	findText()	800
charCodeAt()	771	fireEvent()	801
ChooseColorDlg()	772	firstPage()	801
clear()	772	fixed()	803
clearAttributes()	773	floor()	803
clearData()	773	focus()	803
clearInterval()	774	fontColor()	804
clearRequest()	774	fontSize()	804
clearTimeout()	775	forward()	805
click()	776	fromCharCode()	805
cloneNode()	776	getAdjacentText()	806
close()	777	getAttribute()	806
collapse()	777	getAttributeNode()	807
compareEndPoints()	778	getBookmark()	808
componentFromPoint()	779	getBoundingClientRect()	808
concat() (1)	780	getCharset()	809
concat() (2)	780	getClientRects()	810
confirm()	781	getData()	810
contains()	781	getDate()	811
cos()	782	getDay()	811
createAttribute()	783	getElementById()	811
createCaption()	783	getElementsByName()	812
createComment()	784	getElementsByTagName()	812
createControlRange()	784	getExpression()	813
createDocumentFragment()	785	getFullYear()	814
createElement()	785	getHours()	814
createEventObject()	786	getMilliseconds()	815

getMinutes()	815	moveStart()	841
getMonth()	815	moveTo()	841
getNamedItem()	816	moveToBookmark()	842
getSeconds()	816	moveToElementText()	843
getTime()	817	moveToPoint()	843
getTimezoneOffset()	817	namedItem()	844
getUTCDate()	817	namedRecordset()	844
getUTCDay()	818	navigate()	845
getUTCFullYear()	818	NavigateAndFind()	845
getUTCHours()	819	nextPage()	846
getUTCMilliseconds()	819	normalize()	846
getUTCMinutes()	819	open()	847
getUTCMonth()	820	parentElement()	847
getUTCSeconds()	820	parse()	848
getYear()	821	parseFloat()	848
go()	821	parseInt()	849
hasChildNodes()	821	pasteHTML()	849
hasFeature()	822	pop()	850
hasFocus()	823	pow()	850
hasOwnProperty()	823	previousPage()	850
hide()	824	print()	851
ImportExportFavorites()	824	prompt()	851
indexOf()	825	push()	852
inRange()	825	queryCommandEnabled()	852
insertAdjacentElement()	826	queryCommandIndeterm()	853
insertAdjacentHTML()	827	queryCommandState()	853
insertAdjacentText()	828	queryCommandSupported()	854
insertBefore()	828	queryCommandValue()	855
insertCell()	829	random()	856
insertData()	830	recalc()	856
insertRow()	830	refresh() (1)	856
isEqual()	831	refresh() (2)	857
isNaN()	831	releaseCapture()	858
isPrototypeOf()	832	reload()	858
isSubscribed()	832	remove()	859
italics()	833	removeAttribute()	859
item()	833	removeAttributeNode()	860
javaEnabled()	834	removeBehavior()	861
join()	834	removeChild()	861
lastIndexOf()	834	removeExpression()	862
lastPage()	835	removeNamedItem()	863
link()	835	removeNode()	863
localeCompare()	836	removeRule()	864
log()	836	replace() (1)	864
match()	836	replace() (2)	865
max()	837	replaceAdjacentText()	865
mergeAttributes()	837	replaceChild()	866
min()	838	replaceData()	867
move()	838	replaceNode()	868
moveBy()	839	reset()	869
moveEnd()	840	resizeBy()	869
moveRow()	840	resizeTo()	870

reverse()	870	sin()	891
round()	870	slice()	891
scroll()	871	small()	892
scrollBy()	871	sort()	892
scrollIntoView()	872	splice()	892
scrollTo()	872	split()	893
search()	873	splitText()	893
select() (1)	873	sqrt()	894
select() (2)	874	start()	894
setActive()	874	stop()	895
setAttribute()	875	strike()	895
setAttributeNode()	875	sub()	895
setCapture()	876	submit()	896
setData()	877	substr()	896
setDate()	877	substring()	897
setEndPoint()	877	substringData()	897
setExpression()	878	sup()	898
setFullYear()	879	swapNode()	898
setHours()	879	tags()	899
setInterval()	880	taintEnabled()	900
setMilliseconds()	880	tan()	900
setMinutes()	881	toExponential()	900
setMonth()	881	toFixed()	901
setNamedItem()	881	toGMTString()	901
setSeconds()	882	toLocaleLowerCase()	902
setTime()	883	toLocaleString()	902
setTimeout()	883	toLocaleUpperCase()	902
setUTCDate()	883	toLowerCase()	903
setUTCFullYear()	884	toPrecision()	903
setUTCHours()	884	toSource()	904
setUTCMilliseconds()	885	toString()	904
setUTCMinutes()	885	toUpperCase()	904
setUTCMonth()	886	toUTCString()	905
setUTCSeconds()	886	unescape()	905
setYear()	887	unshift()	905
shift()	887	urns()	906
show()	887	UTC()	906
ShowBrowserUI()	888	valueOf()	907
showHelp()	889	write()	907
showModalDialog()	889	writeln()	908
showModelessDialog()	890		

## 13

### JAVASCRIPT COLLECTIONS

all	910	behaviorUrns	914
anchors	910	blockFormats	914
applets	911	boundElements	915
areas	912	cells	917
attributes	913	childNodes	918

children .....	919	mimeTypes .....	927
controlRange .....	920	namespaces .....	928
elements .....	921	options .....	928
embeds .....	921	pages .....	929
filters .....	922	plugins (1) .....	930
fonts .....	923	plugins (2) .....	930
forms .....	924	rows .....	931
frames .....	924	rules .....	932
images .....	925	scripts .....	932
imports .....	926	styleSheets .....	933
links .....	927	tBodies .....	934

## 14

### JAVASCRIPT OBJECTS

Array .....	938	navigator .....	952
attribute .....	939	Number .....	953
Boolean .....	939	Object .....	954
clientInformation .....	940	page .....	955
clipboardData .....	941	plugin .....	956
currentStyle .....	941	popup .....	956
dataTransfer .....	943	rule .....	957
Date .....	943	runtimeStyle .....	958
defaults .....	944	screen .....	959
Dialog Helper .....	946	selection .....	960
document .....	946	String .....	961
event .....	947	style .....	961
external .....	948	styleSheet .....	963
history .....	949	TextNode .....	963
implementation .....	949	TextRange .....	964
location .....	950	TextRectangle .....	965
Math .....	951	userProfile .....	965
mimeType .....	951	window .....	966
namespace .....	952		

## 15

### HTML+TIME MICROSOFT TECHNOLOGY

Organization of This Chapter .....	971	<t:par> . . . </t:par> .....	980
HTML Elements .....	971	<t:priorityclass> . . .	
<t:animate/> .....	971	</t:priorityclass> .....	981
<t:animatecolor/> .....	972	<t:ref> . . . </t:ref> .....	981
<t:animatemotion/> .....	973	<t:seq> . . . </t:seq> .....	983
<t:animation> . . . </t:animation> .....	974	<t:set/> .....	984
<t:audio/> .....	975	<t:switch> . . . </t:switch> .....	985
<t:excl> . . . </t:excl> .....	976	<t:transitionfilter/> .....	985
<t:img> . . . </t:img> .....	977	<t:video/> .....	986
<t:media> . . . </t:media> .....	978		

HTML Attributes and JavaScript Properties ..	987	latestMediaTime .....	1015
abstract .....	988	length .....	1015
accelerate .....	989	longtransition .....	1016
accumulate .....	990	lower .....	1016
activeDur .....	990	mediaDur .....	1017
activeTime .....	991	mediaHeight .....	1017
activeTrack .....	991	mediaWidth .....	1018
additive .....	992	mimeType .....	1018
attributeName .....	992	mode .....	1018
author .....	993	modulate .....	1019
autoReverse .....	993	MoreInfo .....	1019
Banner .....	994	motifname .....	1019
BannerAbstract .....	994	mute .....	1020
BannerMoreInfo .....	995	origin .....	1020
begin .....	995	parentTimeBegin .....	1021
boundary .....	996	parentTimeEnd .....	1021
bufferingProgress .....	996	path .....	1022
by (1) .....	997	peers .....	1023
by (2) .....	997	player .....	1024
by (3) .....	998	playerObject .....	1024
calcMode .....	999	progress .....	1025
canPause .....	999	rating .....	1025
canSeek .....	1000	repeatCount .....	1026
clipBegin .....	1000	repeatDur .....	1027
clipEnd .....	1001	restart .....	1027
copyright .....	1001	segmentDur .....	1028
currentFrame .....	1001	segmentTime .....	1028
decelerate .....	1002	segmenttype .....	1029
downloadCurrent .....	1002	simpleDur .....	1029
downloadTotal .....	1003	simpleTime .....	1030
dur .....	1003	speed .....	1030
end .....	1004	src .....	1031
endSync .....	1005	state .....	1031
fill .....	1006	stateString .....	1032
from (1) .....	1007	subtype .....	1032
from (2) .....	1007	syncBehavior .....	1033
from (3) .....	1008	syncMaster .....	1033
hasAudio .....	1009	syncTolerance .....	1034
hasDownloadProgress .....	1009	systembitrate .....	1034
hasMedia .....	1009	systemcaptions .....	1035
hasPlayList .....	1010	systemlanguage .....	1036
hasVisual .....	1010	systemoverduborsubtitle .....	1036
higher .....	1010	targetElement .....	1037
immediateend .....	1011	timeAction .....	1038
index .....	1011	timeContainer .....	1038
isActive .....	1012	timeParent .....	1039
isMuted .....	1012	title .....	1040
isOn .....	1013	to (1) .....	1040
isPaused .....	1013	to (2) .....	1041
isStreamed .....	1013	to (3) .....	1041
keySplines .....	1014	transitiontype .....	1041
keyTimes .....	1014	type (1) .....	1042

type (2) .....	1042	endElementAt() .....	1056
updateMode .....	1043	item() .....	1056
values (1) .....	1043	nextElement() .....	1057
values (2) .....	1044	nextTrack() .....	1057
values (3) .....	1044	parentTimeToActiveTime() .....	1058
volume .....	1045	parentTimeToDocumentTime() .....	1058
Events and Event Handlers .....	1046	pauseElement() .....	1059
onBegin .....	1046	prevElement() .....	1059
onEnd .....	1046	prevTrack() .....	1059
onMediaComplete .....	1047	resetElement() .....	1060
onMediaError .....	1047	resumeElement() .....	1060
onOutOfSync .....	1047	seekActiveTime() .....	1060
onPause .....	1048	seekSegmentTime() .....	1061
onRepeat .....	1048	seekTo() .....	1061
onReset .....	1049	seekToFrame() .....	1062
onResume .....	1049	segmentTimeToActiveTime() .....	1062
onReverse .....	1049	segmentTimeToSimpleTime() .....	1063
onSeek .....	1049	setActive() .....	1064
onSyncRestored .....	1050	simpleTimeToSegmentTime() .....	1064
onTimeError .....	1050	JavaScript Collections .....	1064
onTrackChange .....	1050	activeElements .....	1065
JavaScript Methods .....	1051	playList .....	1065
activeTimeToParentTime() .....	1051	timeAll .....	1066
activeTimeToSegmentTime() .....	1052	timeChildren .....	1066
beginElement() .....	1053	JavaScript Objects .....	1067
beginElementAt() .....	1054	currTimeState .....	1067
documentTimeToParentTime() .....	1054	playItem .....	1067
endElement() .....	1055		

## INDEX OF HTML, CSS, AND JAVASCRIPT LISTINGS

1069