

PROFESSIONAL REFERENCE EDITION

SECOND
EDITION

Includes
coverage of
XHTML

SAMS
Teach Yourself

Web Publishing with HTML 4

Suranaree University of Technology



31051000650990

Laura Lemay

SAMS

in 21 Days

Contents

INTRODUCTION	1
Who Should Read This Book	1
What This Book Contains.....	2
What You Need Before You Start	3
Conventions Used in This Book	3
Special Elements	4
HTML Input and Output Examples	4
Special Fonts	4
Teach Yourself Web Publishing with HTML: The Web Site	5
PART 1 GETTING STARTED	7
DAY 1 THE WORLD OF THE WORLD WIDE WEB	9
What Is the World Wide Web?	10
The Web Is a Hypertext Information System	10
The Web Is Graphical and Easy to Navigate	12
The Web Is Cross-Platform	13
The Web Is Distributed	14
The Web Is Dynamic	14
Web Browsers Can Access Many Forms of Internet Information	16
The Web Is Interactive.....	18
Web Browsers	19
What the Browser Does.....	20
An Overview of Two Popular Browsers	21
Web Servers	23
Uniform Resource Locators (URLs)	24
Summary.....	25
Workshop	25
Q&A	25
Quiz	26
Answers	26
Exercises	27
DAY 2 GET ORGANIZED	29
Anatomy of a Web Site.....	30
What Do You Want to Do on the Web?	32
Set Your Goals	34
Break Up Your Content into Main Topics	34

Ideas for Organization and Navigation.....	36
Hierarchies.....	36
Linear.....	39
Linear with Alternatives	40
Combination of Linear and Hierarchical.....	41
Web	43
Storyboarding Your Web Site	45
What Is Storyboarding and Why Do I Need It?	45
Hints for Storyboarding.....	46
Summary.....	47
Workshop.....	48
Q&A	48
Quiz	49
Answers	49
Exercises	49

DAY 3 AN INTRODUCTION TO HTML

What HTML Is—and What It Isn't	51
HTML Describes the Structure of a Page	52
HTML Does Not Describe Page Layout.....	53
Why It Works This Way	54
HTML Is a Markup Language	55
A Brief History of HTML Tags.....	55
Bridging the Future with XHTML 1.0	57
What HTML Files Look Like.....	57
A Note About Formatting	62
Programs to Help You Write HTML	62
Summary.....	64
Workshop	64
Q&A	64
Quiz	64
Answers	65
Exercises	65

PART 2 CREATING SIMPLE WEB PAGES

DAY 4 BEGIN WITH THE BASICS	67
Structuring Your HTML	69
The <html> Tag	69
The <head> Tag	70
The <body> Tag	71
The Title	72
Headings	73

Paragraphs	75
Lists, Lists, and More Lists	76
List Tags	77
Numbered Lists	78
Customizing Ordered Lists with HTML 3.2	79
Unordered Lists	82
Customizing Unordered Lists in HTML 3.2	83
Glossary Lists	84
Nesting Lists	85
Comments	87
Summary	89
Workshop	90
Q&A	91
Quiz	92
Answers	92
Exercises	92

DAY 5 ALL ABOUT LINKS 93

Creating Links.....	93
The Link Tag— <code><a></code>	94
Linking Local Pages Using Relative and Absolute Pathnames	99
Absolute Pathnames	100
Should You Use Relative or Absolute Pathnames?	101
Links to Other Documents on the Web	102
Linking to Specific Places Within Documents	107
Creating Links and Anchors	107
Linking to Anchors in the Same Document	113
Anatomy of a URL	114
Parts of URLs	114
Special Characters in URLs	115
Kinds of URLs	116
HTTP	116
Anonymous FTP	117
Non-Anonymous FTP	118
Mailto.....	118
Gopher	119
Usenet Newsgroups	119
File	120
Summary	121
Workshop	121
Q&A	122
Quiz	124
Answers	124
Exercises	125

Character Styles	128
Logical Styles	128
Physical Styles.....	131
Preformatted Text	133
Horizontal Rules	136
Attributes of the <hr> Tag	137
Line Break.....	140
Addresses	141
Quotations	142
Special Characters.....	142
Character Entities for Special Characters	143
Character Entities for Reserved Characters	145
Text Alignment	146
Aligning Individual Elements	146
Aligning Blocks of Elements	147
Fonts and Font Sizes	148
Changing the Font Size.....	148
Changing the Font Face.....	149
The Dreaded <blink>	149
<nobr> and <wbr>	150
Summary	162
Workshop	165
Q&A	165
Quiz	166
Answers	166
Exercises	167

PART 3 WEB GRAPHICS

169

DAY 7 USING IMAGES, COLOR, AND BACKGROUNDS	171
Images on the Web	172
Inline Images in HTML: The Tag.....	173
Adding an Image Alternative	174
Images and Text	177
Text and Image Alignment	179
Wrapping Text Next to Images	181
Adjusting the Space Around Images	184
Images and Links	185
Using External Images	189
Other Neat Tricks with Images.....	192
Image Dimensions and Scaling	192
More About Image Borders.....	193
Image Previews	194

Using Color.....	194
Naming Colors.....	195
Changing the Background Color.....	196
Changing Text Colors	196
Spot Color	197
Image Backgrounds	198
Hints for Better Use of Images.....	200
Do You Really Need This Image?.....	200
Keep Your Images Small	200
Reuse Images as Often as Possible	201
Provide Alternatives to Images	201
Summary.....	202
Workshop	203
Q&A	203
Quiz	204
Answers to Quiz	205
Exercises	205

DAY 8 CREATING IMAGES FOR THE WEB 207

Image Formats	208
GIF.....	208
JPEG	208
Color	209
Hue, Saturation, and Brightness (HSB)	209
Red, Green, and Blue (RGB)	211
Image Formats and Color Maps	212
Color Allocation	217
The Web-Safe Color Palette	218
Image Compression	219
Compression Basics.....	220
Compression in GIF and JPEG Files	220
Displaying Compressed Files	221
Image Interlacing and Transparent Backgrounds	224
Transparency	225
GIF Interlacing	226
Progressive JPEG	228
Tools for Creating Interlaced and Transparent Images	229
GIF Animation	229
Creating and Using Images.....	230
Design Your Own	231
Commercial Clip Art	232
Clip Art on the Web.....	232
Other Images on the Web	232

The New Kid on the Block: PNG.....	233
For More Information	235
Summary	235
Workshop	236
Q&A	236
Quiz	237
Answers	237
Exercises	238
DAY 9 CREATING ANIMATED GRAPHICS	239
What Is an Animation?	240
When and Where to Use Animation.....	241
Creating Transparent GIF Files	242
Choosing a Transparent Color.....	243
Programs to Help You Compile Animated GIFs	244
GIF Construction Set (Windows Platform).....	244
GifBuilder (Macintosh Platform)	245
Economizing Animation Size	247
Tools to Help You Create Your Pictures	250
Useful Software Features	252
Summary	257
Workshop	257
Q&A	257
Quiz	258
Answers	258
Exercises	259
PART 4 STYLE SHEETS, TABLES, AND FRAMES	261
DAY 10 XHTML AND STYLE SHEETS	263
What is XHTML and Why Use It?.....	264
The <DOCTYPE> Identifier	264
XHTML Syntax.....	265
The Concept of Style Sheets.....	266
Some Background on Style Sheets	268
The Bookworm Bookshop Revisited	269
Approaches to Style Sheets	272
External Style Sheets.....	273
Embedded Style Sheets	276
About Cascading	280
Commonly Used Style Sheet Properties and Values	281
Controlling Page Layout CSS Properties	281
Backgrounds, Colors, and Images.....	284
Setting Border Appearance	288

Font Appearance and Style	290
Text Alignment Properties in CSS	293
Inline Styles	296
Sources of Information About Cascading Style Sheets	305
Workshop	305
Q&A	306
Quiz	306
Answers	306
Exercises	307
DAY 11 TABLES	309
A Note About the Table Definition.....	310
Creating Tables	310
Table Parts.....	311
The <table> Element	311
Rows and Cells	312
Empty Cells	315
Captions	315
Sizing Tables, Borders, and Cells	319
Setting Table Widths	319
Changing Table Borders	320
Cell Padding	321
Cell Spacing.....	322
Column Widths	323
Setting Breaks in Text	324
Table and Cell Color and Alignment	326
Changing Table and Cell Background Colors.....	326
Changing Border Colors	328
Aligning Your Table Content	330
Table Alignment	330
Cell Alignment.....	331
Caption Alignment.....	333
Spanning Multiple Rows or Columns	334
More Advanced Table Enhancements.....	343
Grouping and Aligning Columns	343
Grouping and Aligning Rows	346
The <code>frame</code> and <code>rules</code> Attributes	349
Other Table Elements and Attributes	351
Summary	351
Workshop	356
Q&A	356
Quiz	357
Answers	357
Exercises	358

DAY 12 FRAMES AND LINKED WINDOWS	359
What Are Frames and Who Supports Them?.....	360
Working with Linked Windows	361
The <base> Tag	367
Working with Frames	368
The <frameset> Tag	369
The <frame> Tag	372
The <noframes> Tag	373
Changing Frame Borders	374
Creating Complex Framesets	376
Magic target Names	388
Floating Frames	389
Summary	392
Workshop	394
Q&A	394
Quiz	395
Answers	395
Exercises	396
PART 5 MULTIMEDIA AND JAVA APPLETS	397
DAY 13 MULTIMEDIA: ADDING SOUNDS, VIDEOS, AND MORE	399
Understanding How to Present Sound and Video	400
The Old Standby: Linking	401
Embedding Sound and Video	410
Using the embed Element.....	411
Using the object Element.....	414
Combining embed and object	415
Embedding Flash Animations	415
Embedding Shockwave Animations	416
Embedding RealAudio and RealVideo	418
Multimedia Techniques Using Microsoft Internet Explorer	420
Sound and Video File Types	426
Of Plug-Ins and Players	428
Windows Media Player	428
Macromedia Flash	429
Macromedia Shockwave	429
QuickTime 4 by Apple	430
RealNetworks Grab Bag	430
Other Plug-Ins	431
Summary	432

Workshop	433
Q&A	433
Quiz	434
Answers	434
Exercises	435
DAY 14 WORKING WITH SOUND AND VIDEO FILES	437
An Introduction to Digital Sound.....	438
Sound Waves	438
Converting Sound Waves to Digital Samples	439
Digital Back to Analog	441
Common Sound Formats	442
m-law (Mu-law), AU	442
AIFF/AIFC	443
Macintosh SND Files	443
Windows WAVE	443
MPEG Audio	444
RealAudio	444
Windows Media	444
Getting Sound Files	445
Sampling Sound	445
Sampling on PCs	446
Sampling on Macintoshes	447
Sampling on UNIX Workstations	448
Converting Sound Files.....	448
Audio for the Web.....	449
An Introduction to Digital Video	450
Analog and Digital Video	450
Compression and Decompression (Codecs)	451
Movie Formats	452
QuickTime	452
Video for Windows (AVI)	452
The MPEG Video Format	453
RealVideo	453
Windows Media.....	454
Movie Compression	454
Asymmetric and Symmetric Codecs	454
Frame Differencing	455
Key Frames	455
Hardware Assistance	457
Codec Formats	457
CinePak	457
Indeo	458

JPEG	458
The MPEG Codec	458
Digitizing Video	459
Analog Video Signals and Formats	459
Video on the PC.....	460
Video on the Mac	461
Video on UNIX	462
Getting and Converting Video	462
Video for the Web	463
For More Information	464
Summary	465
Workshop	465
Q&A	465
Quiz	466
Answers	466
Exercises	467
DAY 15 USING JAVA	469
What Is Java All About?	469
The Java Language	470
Java Applets.....	470
What Can Java Be Used For?	471
Programming with Java	473
The Java Developers Kit (JDK)	474
Including Java Applets on Your Web Pages	484
The <APPLET> Tag	484
The <PARAM> Tag	485
Providing Alternatives to Java Applets	486
Building on the Ticker Example	486
Using Prebuilt Java Applets.....	487
Summary	487
Workshop	488
Q&A	488
Quiz	488
Answers	489
Exercises	489

PART 6 IMAGEMAPS AND FORMS **491**

DAY 16 CREATING AND USING IMAGEMAPS	493
What Is an Imagemap?	493
Server-Side Imagemaps	495
Client-Side Imagemaps	495
Imagemaps and Text-Only Browsers	496

Creating Server-Side Imagemaps	496
Getting an Image	497
Determining Your Coordinates	498
Creating and Saving Your Map File	501
Installing the Server-Side Imagemap Program	502
Linking It All Together	503
Creating Client-Side Imagemaps	508
The <map> and <area> Tags	509
The usemap Attribute	510
Building Web Pages That Support Both Types of Imagemaps	513
Summary	513
Workshop	514
Q&A	514
Quiz	515
Answers	515
Exercises	516
DAY 17 DESIGNING FORMS	517
Understanding Form and Function	518
Essential Elements of a Form	524
Using the form Element to Create Forms	525
Creating Form Controls with the input Element	527
Using Other Control Elements	541
Creating Menus with select and option	543
Adding Extras	546
Displaying Control labels	546
Grouping Controls with fieldset and legend	547
Changing the Default Tabbed Navigation	548
Using Access Keys	548
Creating disabled and readonly Controls	549
Planning Your Forms	554
Summary	555
Workshop	556
Q&A	557
Quiz	558
Answers	558
Exercises	558
DAY 18 BEGINNING CGI SCRIPTING	559
What Is a CGI Script?	560
How Do CGI Scripts Work?	560
A Simple Example	562

Can I Use CGI Scripts?	563
Is Your Server Configured to Allow CGI Scripts?	563
Can You Program?.....	564
What Programming Language Should You Use?	565
Is Your Server Set Up Right?	565
What If You're Not on UNIX?	565
Anatomy of a CGI Script	566
The Output Header	567
The Output Data	568
Scripts with Arguments	571
Passing Other Information to the Script	572
Creating Special Script Output	573
Responding by Loading Another Document.....	573
No Response	574
Scripts to Process Forms.....	574
Form Layout and Form Scripts	575
GET and POST	575
URL Encoding.....	576
Troubleshooting	580
CGI Variables	580
Programs to Decode Form Input	582
uncgi	582
CGI.pm	583
Decoding Form Input Yourself	584
Non-Parsed Headers Scripts	585
ISINDEX Scripts	586
Summary	588
Workshop	588
Q&A	588
Quiz	590
Answers	590
Exercises	590

PART 7 JAVASCRIPT AND DYNAMIC HTML

591

DAY 19 CREATING JAVASCRIPT SCRIPTS

593

Introducing JavaScript	594
Why Would You Want to Use JavaScript?	595
The <SCRIPT> Tag	597
The Structure of a JavaScript Script	597
The SRC Attribute	598

Basic Commands and Language Structure	599
Properties and Methods	599
Events and JavaScript	602
Variables	604
Operators and Expressions	605
Basic JavaScript Programming	606
What Is a Program?	606
Learn More About Programming in JavaScript	609
Summary	610
Workshop	610
Q&A	610
Quiz	611
Answers	611
Exercises	612
DAY 20 WORKING WITH JAVASCRIPT	613
Creating a Random Link Generator	613
Validating Forms With JavaScript	624
Creating an Image Rollover	629
Workshop	633
Summary	633
Q&A	633
Quiz	634
Answers	634
Exercises	634
DAY 21 USING DYNAMIC HTML	635
What Exactly Is Dynamic HTML?	636
Learning JavaScript	639
Using Document Object Models	648
Handling Events	652
Coping with Reality: Cross-Browser DHTML Techniques	653
Sniffing for Browsers	654
Developing a Cross-Browser DOM Reference	656
Continuing Your DHTML Education	697
Summary	698
Workshop	698
Q&A	698
Quiz	699
Answers	700
Exercises	700

DAY 22 WRITING AND DESIGNING WEB PAGES: DOS AND DON'TS	703
Using the HTML Extensions	704
Writing for Online Publication	707
Write Clearly and Be Brief	708
Organize Your Pages for Quick Scanning	708
Make Each Page Stand on Its Own	710
Be Careful with Emphasis	711
Don't Use Browser-Specific Terminology	712
Spell Check and Proofread Your Pages	713
Design and Page Layout	713
Use Headings as Headings	713
Group Related Information Visually	714
Use a Consistent Layout	715
Using Links	716
Use Link Menus with Descriptive Text	716
Use Links in Text	718
Avoid the Here Syndrome	719
To Link or Not to Link	721
Using Images	723
Don't Overuse Images	723
Use Alternatives to Images	725
Keep Images Small	725
Watch Out for Display Assumptions	727
Be Careful with Backgrounds and Link Colors	728
Other Good Habits and Hints	729
Link Back to Home	729
Don't Split Topics Across Pages	729
Don't Create Too Many or Too Few Pages	729
Sign Your Pages	731
Provide Non-Hypertext Versions of Hypertext Pages	733
Summary	733
Workshop	735
Q&A	735
Quiz	736
Answers	736
Exercises	737
DAY 23 EXAMPLES OF GOOD AND BAD WEB DESIGN	739
Example One: A Company Profile	740
What's New at Foozle?	741
Technical Information	743

The Company Overview	743
The Foozle Products Page	743
The Product Support Page.....	745
The Open Opportunities Page	746
Features of This Web Site and Issues for Development	747
Example Two: A Multimedia Encyclopedia.....	749
The Overview Page	749
The Norton Page	750
The Index of Marques	753
Features of This Web Site and Issues for Development	754
Example Three: A Shopping Catalog	755
Browsing the Catalog	757
Ordering.....	761
Features of This Web Site and Issues for Development	765
Summary	768
Workshop	768
Q&A	768
Quiz	769
Answers	769
Exercises	770
DAY 24 DESIGNING FOR THE REAL WORLD	771
What Is the Real World Anyway?	772
Considering User Experience Level	773
List Pages That Provide Descriptions of Your Site	774
Describe Your Navigation System.....	774
Add Browser Recommendations.....	778
List Other Necessary Files	778
Determining User Preference	779
Deciding on an HTML 4.0 or XHTML 1.0 Approach.....	780
HTML 4.0 and XHTML 1.0 Transitional	781
HTML 4.0 and XHTML 1.0 Framesets	784
HTML 4.0 and XHTML 1.0 Strict	787
Summary	790
Workshop	791
Q&A	791
Quiz	792
Answers	792
Exercises	792

DAY 25 PUTTING YOUR SITE ONLINE

795

What Does a Web Server Do?	796
Other Things Web Servers Do.....	796
Locating a Web Server	798
Using a Web Server Provided by Your School or Work	798
Using a Commercial Internet or Web Service.....	798
Setting Up Your Own Server.....	799
Organizing and Installing Your HTML Files	800
Questions to Ask Your Webmaster	800
Keeping Your Files Organized Using Directories	801
Having a Default Index File and Correct Filenames.....	802
Installing Your Files.....	803
Moving Files Between Systems	803
What's My URL?	805
Test, Test, and Test Again	806
Troubleshooting	807
Can't Access the Server.....	807
Can't Access Files	807
Can't Access Images	807
Links Don't Work	808
Files Are Displaying Incorrectly	808
Summary	809
Workshop	809
Q&A	809
Quiz	810
Answers	811
Exercises	811

DAY 26 LETTING PEOPLE KNOW IT'S THERE

813

Registering and Advertising Your Web Pages	814
World Wide Web Site Listings	814
Yahoo!	814
The World Wide Web Virtual Library	817
Yellow Pages Listings	819
Private Directories	819
Site Indexes and Search Engines	820
AltaVista	821
Excite	821
HotBot	821
Lycos	823
Infoseek	824
Submission Tools.....	825

Announce Your Site Using Usenet	827
Web Rings	828
Business Cards, Letterheads, Brochures, and Advertisements.....	830
Finding Out Who's Viewing Your Web Pages	830
Log Files	830
Access Counters	831
Summary	832
Workshop	832
Q&A	832
Quiz	833
Answers	833
Exercises	834
DAY 27 TESTING, REVISING, AND MAINTAINING YOUR WEB SITE	835
Integrity Testing	836
Validating Your HTML	836
Browser Testing	848
Verifying Your Links	849
Usability Testing	849
Examining Your Logs	850
Updating and Adding Pages to Your Site	851
Adding New Content.....	851
Revising Your Structure.....	852
Summary	853
Workshop	854
Q&A	854
Quiz	855
Answers	855
Exercises	856
PART 10 SETTING UP AND ADMINISTERING A WEB SERVER	857
DAY 28 SETTING UP YOUR OWN SERVER	859
The Advantages and Disadvantages of Running Your Own Server	860
Finding a Computer	861
Finding a Network Connection.....	861
Working with a Network Provider	862
Co-Location	862
Software	863
Servers for UNIX Systems	864
NCSA HTTPD.....	864
Apache.....	865
W3 (CERN) HTTPD.....	865
Netscape's Web Servers.....	866

Servers for Windows	867
Microsoft Internet Information Server	867
Microsoft Personal Web Server	868
O'Reilly's WebSite	869
Netscape Servers for Windows	870
Apache for Windows	870
Servers for the Macintosh.....	871
Apple's Personal Web Sharing	871
Tips for Good Server Administration	872
Alias Your Host Name to <i>www.yoursystem.com</i>	872
Create a Webmaster Email Alias	872
Create a Server Home Page.....	873
Create Site-Wide Administrative and Design Guidelines	873
Summary	873
Workshop	875
Q&A	875
Quiz	876
Answers	876
Exercises	877

DAY 29 WEB SERVER HINTS, TRICKS, AND TIPS 879

Server-Side Includes	880
Configuring the Server	880
Creating Parsed HTML Files	882
Include Configuration	883
Including Other Files.....	884
Including Values of Variables	884
Including Information About a File.....	887
Including Output from Commands and CGI Scripts	888
File Redirection.....	891
Log Files	893
Server Logs and the Common Log Format.....	893
A Note About Caching	895
Generating Statistics from the Log Files.....	896
User-Agent and Referrer Logs	897
Custom Error Documents	898
Using CGI Programs as Custom Error Documents	899
Summary	900
Workshop	900
Q&A	900
Quiz	902
Answers	902
Exercises	902

Hints for Making Your Server More Secure.....	904
Run Your Server as Nobody	905
Limit Access to CGI Scripts	905
Limit Symbolic Links	906
Disable Server Side Includes.....	906
Disable Directory Indexing	907
Prevent Spiders from Accessing Your Server	907
Hints on Writing More Secure CGI Scripts	908
An Introduction to Web Server Access Control and Authentication	910
What Do Access Control and Authentication Mean?	911
Types of Access Control	913
How Secure Is Your Server?	914
Access Control and Authentication in NCSA HTTPD	914
Global and Directory-Based Access Control	914
Restricting Access by Host	916
Setting Up a Password File	918
Restricting Access by User	919
Setting Up a Group File	920
Restricting Access by Group.....	921
NCSA Options	922
NCSA Options and Access Control Overrides.....	923
Access Control in Microsoft Internet Information Server	924
Secure Network Connections and SSL.....	925
How SSL Works	925
How SSL Connections Are Made	927
Setting Up SSL in Your Server	928
More Information About SSL	929
Summary	929
Workshop	930
Q&A	930
Quiz	931
Answers	931
Exercises	932

PART 11 APPENDIXES**APPENDIX A SOURCES FOR FURTHER INFORMATION**

Access Counters	936
Browsers	937
Collections of HTML and Web Development Information	937
Forms and Imagemaps	938
HTML Editors and Converters	938

HTML Validators, Link Checkers, and Simple Spiders	939
Java, JavaScript, and Embedded Objects	939
Log File Parsers	939
Other	940
Servers and Server Administration	940
Sound and Video	940
Specifications for HTML, HTTP, and URLs	941
The Common Gateway Interface (CGI) and CGI Scripting	942
The Future of HTML and the Web	942
Tools and Information for Images	942
Web Providers	943
Web Indexes and Search Engines	943

APPENDIX B HTML 4.0 QUICK REFERENCE 945

Common Attributes and Events	946
%coreattrs	947
%i18n	947
%events	947
Structure	947
<bdo>...</bdo>	948
<body>...</body>	948
Comments <!-- ... -->	949
<div>...</div>	949
<!DOCTYPE ...>	949
<h1>...</h1> through <h6>...</h6>	949
<head>...</head>	950
<hr>	950
<html>...</html>	951
<meta>	951
...	951
<title>...</title>	952
Text Phrases and Paragraphs	952
<acronym>...</acronym>	952
<address>...</address>	952
<blockquote>...</blockquote>	952
 	953
<cite>...</cite>	953
<code>...</code>	953
...	953
<dfn>...</dfn>	954
...	954
<ins>...</ins>	954
<kbd>...</kbd>	954

<p>...</p>	954
<pre>...</pre>	955
<q>...</q>	955
<samp>...</samp>	955
...	955
_{...}	956
^{...}	956
<var>...</var>	956
Text Formatting Elements	956
...	956
<basefont>	956
<big>...</big>	957
...	957
<i>...</i>	957
<s>...</s>	957
<small>...</small>	958
<strike>...</strike>	958
<tt>...</tt>	958
<u>...</u>	958
Lists	958
<dd>...</dd>	958
<dir>...</dir>	959
<dl>...</dl>	959
<dt>...</dt>	959
...	959
<menu>...</menu>	960
...	960
...	960
Links	961
<a>...	961
<base>	962
<link>	962
Tables	963
<caption>...</caption>	963
<col>	963
<colgroup>...</colgroup>	964
<table>...</table>	964
<tbody>...</tbody>	965
<td>...</td>	965
<tfoot>...</tfoot>	966
<th>...</th>	966
<thead>...</thead>	967
<tr>...</tr>	967

Frames.....	968
<frame>	968
<frameset>...</frameset>	969
<iframe>...</iframe>	969
<noframes>...</noframes>	969
Embedded Content	970
<applet>...</applet>	970
<area>	970
	971
<map>...</map>	972
<object>...</object>	972
<param>	973
Style	973
<style>...</style>	973
Forms	974
<button>...</button>	974
<fieldset>...</fieldset>	974
<form>...</form>	975
<input>	975
<isindex>	976
<label>...</label>	977
<legend>...</legend>	977
<option>...</option>	977
<select>...</select>	978
<textarea>...</textarea>	978
Scripts	979
<script>...</script>	979
<noscript>...</noscript>	979
Character Entities	980
APPENDIX C CROSS-BROWSER REFERENCE TABLE	985
Cross-Browser Table.....	985
Intrinsic Events	1035
APPENDIX D CASCADING STYLE SHEET (CSS) QUICK REFERENCE	1037
How to Use This Appendix.....	1038
Block-Level Properties	1039
bottom, left, right, top	1040
direction	1040
display	1040
float	1041
position	1041
unicode-bidi	1041
z-index	1041

Background and Color Properties.....	1042
background	1042
background-attachment	1042
background-color.....	1042
background-image	1043
background-position	1043
background-repeat	1043
color	1043
Box Model Properties	1044
border.....	1044
border-bottom, border-left, border-right, border-top.....	1044
border-color	1045
border-bottom-color, border-left-color,	
border-right-color, border-top-color	1045
border-style	1045
border-bottom-style, border-left-style,	
border-right-style, border-top-style.....	1046
border-width	1046
border-bottom-width, border-left-width,	
border-right-width, border-top-width	1046
clear	1047
height, width	1047
margin	1047
margin-bottom, margin-left, margin-right, margin-top	1047
max-height, max-width	1048
min-height, min-width.....	1048
padding	1048
padding-top, padding-right, padding-bottom,	
padding-left.....	1049
Font Properties	1049
font.....	1049
font-family	1050
font-size	1050
font-size-adjust	1050
font-stretch.....	1051
font-style	1051
font-variant	1051
font-weight.....	1051
List Properties	1052
list-style	1052
list-style-image	1052
list-style-position	1053
list-style-type	1053

Text Properties	1053
letter-spacing	1053
line-height	1054
text-align	1054
text-decoration	1054
text-indent	1054
text-shadow	1055
text-transform	1055
vertical-align	1055
white-space	1055
word-spacing	1056
Visual Effects Properties	1056
clip	1056
overflow	1056
visibility	1056
Aural Style Sheet Properties	1057
azimuth	1057
cue	1057
cue-after, cue-before	1057
elevation	1058
pause	1058
pause-after, pause-before	1058
pitch	1058
pitch-range	1059
play-during	1059
richness	1059
speak	1059
speak-header	1060
speak-numeral	1060
speak-punctuation	1060
speech-rate	1060
stress	1061
voice-family	1061
volume	1061
Generated Content/Automatic Numbering Properties	1062
content	1062
counter-increment	1062
counter-reset	1062
marker-offset	1063
quotes	1063
Paged Media Properties	1063
marks	1063
orphans	1063

page	1064
page-break-after, page-break-before	1064
page-break-inside	1064
size	1064
widows	1065
Table Properties	1065
border-collapse	1065
border-spacing	1065
caption-side	1066
column-span, row-span	1066
empty-cells	1066
table-layout	1066
User Interface Properties	1067
cursor	1067
outline	1067
outline-color	1067
outline-style	1068
outline-width	1068
Cascading Style Sheet Units	1068
<code><absolute-size></code>	1068
<code><angle></code>	1068
<code><border-style></code>	1069
<code><border-width></code>	1069
<code><color></code>	1069
<code><family-name></code>	1070
<code><frequency></code>	1070
<code><generic-family></code>	1070
<code><generic-voice></code>	1070
<code><integer></code>	1071
<code><length></code>	1071
<code><number></code>	1071
<code><percentage></code>	1071
<code><relative-size></code>	1071
<code><shape></code>	1072
<code><specific-voice></code>	1072
<code><time></code>	1072
<code><uri></code>	1072

APPENDIX E JAVASCRIPT REFERENCE

1073

A Note About JavaScript 1.2	1073
The anchor Object	1074
<code>[C 2 3 4 I]</code>	1074
The applet Object	1074
<code>[C 3]</code>	1074

The area Object	1074
[C 3]	1074
Properties	1075
Event Handlers	1075
The array Object	1075
[C 3 I].....	1075
Properties	1075
Methods	1076
The boolean Object	1076
[C 3 I].....	1076
Property	1076
Method.....	1076
The button Object	1077
[C 2 3 I]	1077
Properties	1077
Methods	1077
Event Handlers	1077
The checkbox Object	1077
[c 2 3 I]	1077
Properties	1078
Methods	1078
Event Handlers	1078
The date Object	1078
[C 2 3 I]	1078
Property	1079
Methods	1079
The document Object	1080
[C 2 3 I]	1080
Properties	1080
Event Handlers	1081
Methods	1082
The event Object	1082
[C]	1082
.Properties	1082
The fileUpload Object	1083
[C 3].....	1083
Properties	1083
Methods	1084
Event Handlers	1084
The form Object	1084
[C 2 3 I]	1084
Properties	1084
Methods	1085
Event Handlers	1085

The frame Object	1085
[C 2 3 I]	1085
Properties	1085
Methods	1085
Event Handlers	1087
The function Object	1087
[C 3].....	1087
Properties	1087
The hidden Object	1088
[C 2 3 I]	1088
Properties	1088
The history Object	1088
[C 2 3 I]	1088
Properties	1088
Methods	1088
The image Object	1089
[C 3].....	1089
Properties	1089
Method.....	1089
Event Handlers	1089
The layer Object	1090
[4] Netscape Navigator 4.x Only.....	1090
Properties	1090
Methods	1091
Event Handlers	1092
The link Object	1092
[C 2 3 I]	1092
Properties	1092
Method.....	1092
Event Handlers	1093
The location Object	1093
[C 2 3 I]	1093
Properties	1093
Methods	1094
The math Object	1094
[C 2 3 I]	1094
Properties	1094
Methods	1094
The mimeType Object	1095
[C 3].....	1095
Properties	1095

The navigator Object	1096
[C12 3 I]	1096
Properties	1096
Methods	1096
The number Object	1097
[C13 I]	1097
Properties	1097
Method	1098
The object Object	1098
[C12 3 I]	1098
Properties	1098
Methods	1098
The option Object	1098
[C13]	1098
Properties	1098
The password Object	1099
[C12 3 I]	1099
Properties	1099
Methods	1099
Event Handlers	1099
The plugin Object	1099
Properties	1100
The radio Object	1100
[C12 3 I]	1100
Properties	1100
Methods	1100
Event Handlers	1101
The regexp Object	1101
Properties	1101
Parameters	1102
Methods	1102
The reset Object	1102
[C12 3 I]	1102
Properties	1102
Methods	1103
Event Handlers	1103
The screen Object	1103
(New in JavaScript 1.2)	1103
Properties	1103
The select Object	1104
[C12 3]	1104
Properties	1104
Methods	1104
Event Handlers	1105

The string Object	1105
[C1213 I]	1105
Properties	1105
Methods	1105
The submit Object	1107
[C1213 I]	1107
Properties	1108
Methods	1108
Event Handlers	1108
The text Object	1108
[C1213 I]	1108
Properties	1108
Methods	1109
Event Handlers	1109
The textarea Object	1109
[C1213 I]	1109
Properties	1109
Methods	1109
Event Handlers	1110
The window Object	1110
[C1213 I]	1110
Properties	1110
Methods	1111
Event Handlers	1115
Independent Functions, Operators, Variables, and Literals	1116
Independent Functions	1116
Statements	1116
Operators	1118

APPENDIX F CHARACTER ENTITIES	1123
--------------------------------------	-------------

APPENDIX G COLORS BY NAME AND HEXADECIMAL VALUE	1129
--	-------------

APPENDIX H MIME TYPES AND FILE EXTENSIONS	1133
--	-------------

INDEX	1137
--------------	-------------