

Creating Web Pages with HTML, XHTML, and XML

2nd Edition

Patrick Carey



Second Edition of the best-selling
New Perspectives on Creating
Web Pages with HTML and XML!

Comprehensive

Table of Contents

Preface	v
HTML, XHTML, and DHTML	
Level I Tutorials	HTML 1
Read This Before You Begin	HTML 2

Tutorial 1	HTML 3
Developing a Basic Web Page	HTML 3
Creating a Web Page for Stephen Duba's Chemistry Classes	HTML 3

Session 1.1	HTML 4
Introducing the World Wide Web	HTML 4
The Development of the World Wide Web	HTML 5
Web Servers and Web Browsers	HTML 6
HTML: The Language of the Web	HTML 6
The History of HTML	HTML 6
Tools for Creating HTML Documents	HTML 8
Session 1.1 Quick Check	HTML 9

Session 1.2	HTML 9
Creating an HTML Document	HTML 9
Marking Elements with Tags	HTML 11
White Space and HTML	HTML 12
Element Attributes	HTML 13
The Structure of an HTML File	HTML 14
Displaying an HTML File	HTML 16
Working with Block-Level Elements	HTML 17
Creating Headings	HTML 17
Inserting an Inline Style	HTML 18
Applying the Text-Align Style	HTML 19
Creating Paragraphs	HTML 21
Creating Lists	HTML 24
Creating an Ordered List	HTML 24
Creating an Unordered List	HTML 24
Creating a Nested List	HTML 25
Applying a Style to a List	HTML 26
Creating a Definition List	HTML 28
Using Other Block-Level Elements	HTML 30
Working with Inline Elements	HTML 31
Understanding Logical and Physical Elements	HTML 33

Session 1.2 Quick Check	HTML 34
-------------------------------	---------

Session 1.3	HTML 34
Working with Empty Elements	HTML 34
Inserting a Graphic	HTML 34
Inserting Horizontal Lines	HTML 36
Other Empty Elements	HTML 38
Working with Special Characters	HTML 39
Tips for Good HTML Code	HTML 42
Session 1.3 Quick Check	HTML 43
Tutorial Summary	HTML 43
Key Terms	HTML 43
Review Assignments	HTML 44
Case Problems	HTML 46
Quick Check Answers	HTML 53

Tutorial 2	HTML 55
Developing a Basic Web Site	HTML 55
Creating a Chemistry Web Site	HTML 55

Session 2.1	HTML 56
Working with Links	HTML 56
Creating Element ids	HTML 58
Creating Links within a Document	HTML 59
Creating Anchors	HTML 63
Session 2.1 Quick Check	HTML 63

Session 2.2	HTML 64
Working with Web Site Structures	HTML 64
Linear Structures	HTML 64
Hierarchical Structures	HTML 65
Mixed Structures	HTML 66
Creating Links between Documents	HTML 68
Linking to a Document	HTML 69
Linking to a Location within another Document	HTML 72
Linking to Documents in Other Folders	HTML 73
Absolute Paths	HTML 74
Relative Paths	HTML 75
Changing the Base	HTML 76
Session 2.2 Quick Check	HTML 76

Session 2.3	.HTML 76
Linking to Resources on the Internet	.HTML 76
Understanding URLs	.HTML 76
Linking to a Web Page	.HTML 77
Linking to FTP Servers	.HTML 80
Linking to Usenet News	.HTML 81
Linking to a Local File	.HTML 81
Linking to E-mail	.HTML 82
Working with Hypertext Attributes	.HTML 84
Opening a Secondary Window	.HTML 84
Creating a Popup Title	.HTML 86
Creating an Access Key	.HTML 86
Creating a Semantic Link	.HTML 87
Using the Link Element	.HTML 88
Tips for Creating Effective Links	.HTML 89
Session 2.3 Quick Check	.HTML 89
Tutorial Summary	.HTML 90
Key Terms	.HTML 90
Review Assignments	.HTML 90
Case Problems	.HTML 93
Quick Check Answers	.HTML 102

Level II Tutorials	.HTML 105
Read This Before You Begin	.HTML 106

Tutorial 3	.HTML 107
Designing a Web Page	.HTML 107
Working with Fonts, Colors, and Graphics	.HTML 107

Session 3.1	.HTML 108
Working with Color in HTML	.HTML 108
Using Color Values	.HTML 109
Using Color Names	.HTML 113
Defining Foreground and Background Colors	.HTML 114
Working with Fonts and Text Styles	.HTML 116
Choosing a Font	.HTML 117
Setting the Font Size	.HTML 120
Controlling Spacing and Indentation	.HTML 123
Setting Font Styles, Weights, and other Decorative Features	.HTML 126

Aligning Text Vertically	.HTML 128
Combining all Text Formatting in a Single Style	.HTML 128
Using the Span Element	.HTML 130
Session 3.1 Quick Check	.HTML 131

Session 3.2	.HTML 131
Choosing an Image Format	.HTML 131
Working with GIF Images	.HTML 132
Working with Transparent Colors	.HTML 133
Using Animated GIFs	.HTML 133
Working with JPEG Images	.HTML 135
Working with PNG Images	.HTML 135
Other Image Formats	.HTML 136
Aligning an Image	.HTML 137
Floating an Element	.HTML 137
Clearing an Element	.HTML 138
Using the Align Attribute	.HTML 140
Setting Margins	.HTML 142
Setting the Image Size	.HTML 144
Inserting a Background Image	.HTML 145
Background Image Options	.HTML 146
The Background Style	.HTML 148
Session 3.2 Quick Check	.HTML 150

Session 3.3	.HTML 151
Understanding Image Maps	.HTML 151
Server-Side Image Maps	.HTML 152
Client-Side Image Maps	.HTML 152
Defining Image Map Hotspots	.HTML 154
Creating a Rectangular Hotspot	.HTML 154
Creating a Circular Hotspot	.HTML 155
Creating a Polygonal Hotspot	.HTML 155
Using an Image Map	.HTML 157
Tips for Web Page Design	.HTML 159
Session 3.3 Quick Check	.HTML 160
Tutorial Summary	.HTML 160
Key Terms	.HTML 160
Review Assignments	.HTML 161
Case Problems	.HTML 163
Quick Check Answers	.HTML 170

Tutorial 4 **HTML 173**

Designing a Web Page with Tables **HTML 173**

Creating a News Page **HTML 173**

Session 4.1	HTML 174
Tables on the World Wide Web	HTML 174
Creating a Text Table	HTML 175
Using Fixed-Width Fonts	HTML 176
Using Preformatted Text	HTML 177
Defining a Table Structure	HTML 179
Marking a table, table row, and table cell	HTML 179
Creating Table Headings	HTML 182
Creating Row Groups	HTML 184
Creating a Table Caption	HTML 185
Adding a Table Summary	HTML 187
Session 4.1 Quick Check	HTML 187

Session 4.2	HTML 187
Working with the Table Border	HTML 187
Adding a Table Border	HTML 188
Creating Frames and Rules	HTML 191
Sizing a Table	HTML 193
Setting Cell Spacing	HTML 193
Setting Cell Padding	HTML 194
Setting the Table Width	HTML 195
Setting Cell and Column Width	HTML 197
Preventing Line Wrap	HTML 197
Spanning Rows and Columns	HTML 198
Formatting Table Contents	HTML 201
Aligning the Contents of a Cell	HTML 201
Formatting Table Text	HTML 203
Setting the Background Color	HTML 204
Setting the Background Image	HTML 206
Aligning a Table on a Web Page	HTML 206
Working with Column Groups	HTML 208
Session 4.2 Quick Check	HTML 209

Session 4.3	HTML 209
Using Tables for Layout	HTML 209
Layout Designs	HTML 209
Fixed-width and Fluid Layouts	HTML 212
Challenges of Table Layouts	HTML 214

Creating a Newspaper-Style Layout	HTML 216
Creating the Outer Table	HTML 217
Creating a Nested Table	HTML 221
Combining the Outer and Inner Tables	HTML 228
Tips for Effective Use of Tables	HTML 230
Session 4.3 Quick Check	HTML 230
Tutorial Summary	HTML 230
Key Terms	HTML 231
Review Assignments	HTML 231
Case Problems	HTML 233
Quick Check Answers	HTML 240

Tutorial 5 **HTML 243**

Designing a Web Site with Frames **HTML 243**

Using Frames to Display Multiple Web Pages **HTML 243**

Session 5.1	HTML 244
Introducing Frames	HTML 244
Planning Your Frames	HTML 247
Creating a Frameset	HTML 248
Specifying Frame Size and Orientation	HTML 249
Specifying a Frame Source	HTML 251
Nesting Framesets	HTML 252
Formatting a Frame	HTML 255
Hiding and Displaying Scroll Bars	HTML 255
Setting Frame Margins	HTML 256
Controlling Frame Resizing	HTML 258
Session 5.1 Quick Check	HTML 258

Session 5.2	HTML 259
Working with Frames and Links	HTML 259
Assigning a Name to a Frame	HTML 260
Specifying a Link Target	HTML 261
Using Reserved Target Names	HTML 262
Using the noframes Element	HTML 267
Working with Frame Borders	HTML 270
Setting the Frame Border Color	HTML 270
Setting the Frame Border Width	HTML 271
Creating Inline Frames	HTML 273
Tips for Using Frames	HTML 275
Session 5.2 Quick Check	HTML 275

Tutorial Summary	HTML 275
Key Terms	HTML 276
Review Assignments	HTML 276
Case Problems	HTML 279
Quick Check Answers	HTML 286

Level III Tutorials	HTML 289
Read This Before You Begin	HTML 290

Tutorial 6 HTML	HTML 291
Creating Web Page Forms	HTML 291
Designing a Product Registration Form	HTML 291

Session 6.1	HTML 292
Introducing Web Forms	HTML 292
Parts of a Web Form	HTML 292
Forms and Server-Based Programs	HTML 293
Creating the Form Element	HTML 294
Creating Input Boxes	HTML 296
Setting the Size of an Input Box	HTML 300
Setting the Maximum Length of an Input Box	HTML 301
Setting a Default Value for a Field	HTML 302
Creating a Password Field	HTML 303
Working with Form Labels	HTML 303
Session 6.1 Quick Check	HTML 305

Session 6.2	HTML 305
Creating a Selection List	HTML 305
Defining the Selection Options	HTML 306
Modifying the Appearance of a Selection List	HTML 309
Making Multiple Selections	HTML 309
Working with Option Values	HTML 310
Working with Option Groups	HTML 311
Creating Option buttons	HTML 313
Creating a Field Set	HTML 315
Creating Check Boxes	HTML 317
Creating a Text Area Box	HTML 320
Session 6.2 Quick Check	HTML 323

Session 6.3	HTML 323
Working with Form Buttons	HTML 323
Creating a Command button	HTML 324
Creating Submit and Reset Buttons	HTML 324
Designing a Custom Button	HTML 326
Creating File Buttons	HTML 327
Creating Image Fields	HTML 328
Working with Hidden Fields	HTML 329
Working with Form Attributes	HTML 330
Using the mailto Action	HTML 331
Specifying the Tab Order	HTML 332
Specifying an Access Key	HTML 332
Tips for Creating Effective Forms	HTML 333
Session 6.3 Quick Check	HTML 333
Tutorial Summary	HTML 334
Key Terms	HTML 334
Review Assignments	HTML 334
Case Problems	HTML 337
Quick Check Answers	HTML 346

Tutorial 7	HTML 347
Working with Cascading Style Sheets	HTML 347
Creating a Style for Online Scrapbooks	HTML 347

Session 7.1	HTML 348
Introducing Cascading Style Sheets	HTML 348
The History of CSS	HTML 348
Applying a Style Sheet	HTML 350
Using Inline Styles	HTML 350
Using Embedded Styles	HTML 351
Style Attributes	HTML 351
Applying an Embedded Style	HTML 352
Using an External Style Sheet	HTML 354
Adding Style Comments	HTML 354
Linking to an External Style Sheet	HTML 355
Importing a Style Sheet	HTML 356

Understanding Cascading Order	HTML 357
Style Precedence	HTML 358
Style Inheritance	HTML 359
Working with Selectors	HTML 360
Contextual Selectors	HTML 360
Attribute Selectors	HTML 362
Applying a Selector Pattern	HTML 363
Session 7.1 Quick Check	HTML 364
Session 7.2	HTML 365
Using IDs and Classes	HTML 365
Working with IDs	HTML 366
Working with Classes	HTML 367
Sizing Elements	HTML 369
Setting the Element Width	HTML 369
Setting the Element Height	HTML 370
Floating an Element	HTML 371
Working with the div Element	HTML 372
Setting the Display Style	HTML 376
Working with the Box Model	HTML 379
Setting the Padding Size	HTML 380
Formatting the Border	HTML 382
Using Pseudo-Classes and Pseudo-Elements	HTML 387
Creating a Link Rollover	HTML 387
Creating a Drop-Cap	HTML 389
Applying a Style to a Web Site	HTML 392
Session 7.2 Quick Check	HTML 394
Session 7.3	HTML 395
Positioning Objects with CSS	HTML 395
The Position Style	HTML 399
Absolute Positioning	HTML 399
Relative Positioning	HTML 402
Fixed and Inherited Positioning	HTML 403
Placing the Callout Notes	HTML 403
Working with Overflow and Clipping	HTML 405
Stacking Elements	HTML 407

Working with Different Media	HTML 409
Media Types	HTML 409
The @media Rule	HTML 410
Supporting Older Browsers	HTML 411
Media Groups	HTML 411
Hiding Elements	HTML 412
Using Print Styles	HTML 416
Page Pseudo-Classes and Named Pages	HTML 416
Setting the Page Size	HTML 417
Displaying Crop Marks	HTML 417
Working with Page Breaks	HTML 418
Session 7.3 Quick Check	HTML 421
Tutorial Summary	HTML 422
Key Terms	HTML 422
Review Assignments	HTML 422
Case Problems	HTML 424
Quick Check Answers	HTML 432

Tutorial 8	HTML 435
Using Multimedia on the Web	HTML 435
Enhancing a Web Site with Sound, Video and Applets	HTML 435

Session 8.1	HTML 436
Working with Multimedia	HTML 436
Working with Audio	HTML 438
Sampling Rate, Sample Resolution, and Channels	HTML 439
Sound File Formats	HTML 442
Linking to an Audio Clip	HTML 443
Embedding an Audio Clip	HTML 445
Creating an Embedded Object	HTML 446
Playing Background Sounds	HTML 448
Session 8.1 Quick Check	HTML 449

Session 8.2HTML 450

Working with Video	HTML 450
Frame Rates and Codecs	HTML 450
Video File Formats	HTML 451
Linking to a Video Clip	HTML 452
Embedding a Video Clip	HTML 454
Using a Dynamic Source	HTML 455
Supporting Non-Embedded Elements	HTML 456
Session 8.2 Quick Check	HTML 456

Session 8.3HTML 457

Introducing Java	HTML 457
A Brief History of Java	HTML 457
Understanding Applets and .class Files	HTML 458
Working with Applets	HTML 458
Working with Applet Parameters	HTML 459
Using a Java Applet	HTML 460
Creating a Marquee with Internet Explorer	HTML 463
Working with the Object Element	HTML 465
Inserting an Inline Image	HTML 467
Displaying a File	HTML 467
Displaying a Multimedia Clip	HTML 467
Displaying a Java Applet	HTML 468
Displaying an ActiveX Control	HTML 468
Nesting Objects	HTML 469
Tips for Using Multimedia	HTML 470
Session 8.3 Quick Check	HTML 470
Tutorial Summary	HTML 471
Key Terms	HTML 471
Review Assignments	HTML 471
Case Problems	HTML 473
Quick Check Answers	HTML 480

Tutorial 9HTML 483

Working with XHTML	HTML 483
Creating a Well-Formed Valid Document	HTML 483

Session 9.1HTML 484

Introducing XHTML	HTML 484
SGML	HTML 484
HTML	HTML 484
XML	HTML 485
XHTML	HTML 487
Creating a Well-Formed Document	HTML 489
Creating a Valid Document	HTML 490
The Valid Use of Elements	HTML 490
The Valid Use of Attributes	HTML 491
Session 9.1 Quick Check	HTML 494

Session 9.2HTML 494

Creating an XHTML Document	HTML 494
The XML Declaration	HTML 495
The DOCTYPE Declaration	HTML 497
The xml Namespace	HTML 498
Testing an XHTML Document	HTML 501
Using Style Sheets and XHTML	HTML 511
Tips for Converting old HTML Code to XHTML	HTML 512
Session 9.2 Quick Check	HTML 512
Tutorial Summary	HTML 513
Key Terms	HTML 513
Review Assignments	HTML 513
Case Problems	HTML 515
Quick Check Answers	HTML 520

Tutorial 10HTML 521

Working with JavaScript	HTML 521
Creating a Programmable Web Page for North Pole Novelties	HTML 521

Session 10.1HTML 522

Introduction to JavaScript	HTML 522
Server-side and Client-side Programs	HTML 522
The Development of JavaScript	HTML 523
Inserting JavaScript into a Web Page File	HTML 524
Using the Script Element	HTML 525
Adding Comments	HTML 526

Hiding the Script from Older Browsers	HTML 526
Specifying a Script Alternative	HTML 527
Using JavaScript and XHTML	HTML 527
Embedding a Script	HTML 528
Writing Output to the Web Page	HTML 528
Session 10.1 Quick Check	HTML 530
Session 10.2	HTML 531
Working with Variables and Data	HTML 531
Variable Types	HTML 532
Declaring a Variable	HTML 532
Working with Dates	HTML 533
Retrieving the Day Value	HTML 535
Retrieving the Month Value	HTML 535
Retrieving the Year Value	HTML 536
Working with Expressions and Operators	HTML 539
Arithmetic Operators	HTML 539
Assignment Operators	HTML 540
The Math Object and Math Methods	HTML 541
Creating JavaScript Functions	HTML 542
Performing an Action with a Function	HTML 543
Returning a Value from a Function	HTML 543
Placing a Function in an HTML File	HTML 544
Creating the XmasDays Function	HTML 544
Session 10.2 Quick Check	HTML 548
Session 10.3	HTML 548
Working with Conditional Statements	HTML 548
Comparison, Logical, and Conditional Operators	HTML 548
Using an If Statement	HTML 550
Using an If...Else Statement	HTML 550
Using a Switch Statement	HTML 551
Applying an If Statement to the NPN Page	HTML 552
Using Arrays	HTML 554
Working with Program Loops	HTML 557
The For Loop	HTML 557
The While Loop	HTML 559
Debugging Your JavaScript Programs	HTML 561
Common Mistakes	HTML 562
Debugging Tools and Techniques	HTML 562

Tips for Writing Good JavaScript Code	HTML 564
Session 10.3 Quick Check	HTML 564
Tutorial Summary	HTML 564
Key Terms	HTML 565
Review Assignments	HTML 565
Case Problems	HTML 567
Quick Check Answers	HTML 577

Additional Case 1	HTML ADD 1
Creating a Company Web Site	HTML ADD 1
FrostWear Winter Clothes	HTML ADD 1

Additional Case 2	HTML ADD 11
Designing a Style for a Web Site	HTML ADD 11
Mayer Photography	HTML ADD 11

Additional Case 3	HTML ADD 19
Creating an Online Newsletter	HTML ADD 19
Twin Life Magazine	HTML ADD 19

Creating Web Pages with HTML, XHTML and XML

Level I Tutorials	XML 1
Read This Before You Begin	XML 2

Tutorial 1	XML 3
Creating an XML Document	XML 3
The Jazz Warehouse	XML 3

Session 1.1	XML 4
Introducing XML	XML 4
A Short History of XML	XML 4
The Limits of HTML	XML 5
Exploring the Concepts behind XML	XML 6
XML Design Goals	XML 6
Creating an XML Vocabulary	XML 7
Standard XML Vocabularies	XML 7
DTDs and Schemas	XML 10
Well-Formed and Valid XML Documents	XML 10
Session 1.1 Quick Check	XML 10

Session 1.2	.XML 10	Case Problem 2	.XML 39
Creating an XML Document	.XML 10	Case Problem 3	.XML 42
The Structure of an XML Document	.XML 11	Case Problem 4	.XML 44
The XML Declaration	.XML 11	Quick Check Answers	.XML 45
Inserting Comments	.XML 13		
Working with Elements	.XML 13	Tutorial 2	.XML 47
Empty Elements	.XML 14	Working with Namespaces	.XML 47
Nesting Elements	.XML 14	Jackson Electronics	.XML 47
The Element Hierarchy	.XML 15		
Charting the Element Hierarchy	.XML 16	Session 2.1	.XML 48
Writing the Document Body	.XML 17	Combining XML Vocabularies	.XML 48
Working with Attributes	.XML 19	Creating a Compound Document	.XML 51
Using Character and Entity References	.XML 21	Understanding Name Collision	.XML 55
Understanding Text Characters and White Space	.XML 24	Working with Namespaces	.XML 56
Parsed Character Data	.XML 24	Declaring a Namespace	.XML 57
Character Data	.XML 25	Understanding URIs	.XML 57
White Space	.XML 25	Applying a Namespace to Elements	.XML 58
Creating a CDATA Section	.XML 26	Applying a Default Namespace	.XML 61
Session 1.2 Quick Check	.XML 27	Working with Attributes	.XML 61
Session 1.3	.XML 28	Session 2.1 Quick Check	.XML 62
Processing an XML Document	.XML 28	Session 2.2	.XML 63
XML Parsers	.XML 28	Adding a Namespace to a Style Sheet	.XML 63
Web Browsers	.XML 29	Declaring a Namespace	.XML 63
Formatting XML Data	.XML 32	Applying a Namespace to a Selector	.XML 63
Style Sheet Languages	.XML 33	Defining Namespaces with the Escape Character	.XML 65
Applying a Style to an Element	.XML 33	Combining Standard Vocabularies	.XML 67
Inserting a Processing Instruction	.XML 34	Combining XML and HTML	.XML 69
Session 1.3 Quick Check	.XML 35	Session 2.2 Quick Check	.XML 74
Tutorial Summary	.XML 36	Tutorial Summary	.XML 75
Key Terms	.XML 36	Key Terms	.XML 75
Review Assignments	.XML 36	Review Assignments	.XML 76
Case Problem 1	.XML 39		

Case Problem 1	XML 77
Case Problem 2	XML 80
Case Problem 3	XML 82
Case Problem 4	XML 84
Quick Check Answers	XML 87

Tutorial 3 XML 89

Validating an XML Document XML 89

Pixal Digital Products XML 89

Session 3.1 XML 90

Creating a Valid Document XML 90

Declaring a DTD XML 92

Writing the Document Type Declaration XML 95

Declaring Document Elements XML 96

ANY Content XML 97

EMPTY Content XML 97

Parsed Character Data XML 97

Working with Child Elements XML 98

Specifying an Element Sequence XML 99

Specifying an Element Choice XML 99

Modifying Symbols XML 100

Working with Mixed Content XML 103

Session 3.1 Quick Check XML 103

Session 3.2 XML 104

Declaring Attributes XML 104

Working with Attribute Types XML 106

CDATA XML 106

Enumerated Types XML 107

Tokenized Types XML 108

Working with Attribute Defaults XML 111

Validating a Document with XMLSpy XML 113

Working with Namespaces and DTDs XML 115

Session 3.2 Quick Check XML 116

Session 3.3 XML 117

Introducing Entities XML 117

Working with General Entities XML 117

Parsed Entities XML 118

Referencing a General Entity XML 119

Working with Parameter Entities XML 120

Inserting Comments XML 126

Creating Conditional Sections XML 127

Working with Unparsed Data XML 128

Validating Standard Vocabularies XML 130

Session 3.3 Quick Check XML 131

Tutorial Summary XML 132

Key Terms XML 132

Review Assignments XML 132

Case Problem 1 XML 135

Case Problem 2 XML 136

Case Problem 3 XML 139

Case Problem 4 XML 143

Quick Check Answers XML 143

Tutorial 4 XML 145

Working with Schemas XML 145

University Hospital Clinical Cancer Center XML 145

Session 4.1 XML 146

Introducing XML Schema XML 146

The Limits of DTDs XML 148

Schemas and DTDs XML 149

Schema Vocabularies XML 149

Starting a Schema File XML 150

Understanding Simple and Complex Types XML 152

Working with Simple Type Elements XML 153

Declaring an Attribute XML 154

Associating Attributes and Elements XML 155

Empty Elements and Attributes XML 156

Simple Content and Attributes XML 156

Specifying the Use of an Attribute XML 157

Referencing an Element or Attribute	XML 157	Working with Named Types	XML 190
Working with Child Elements	XML 159	Named Model Groups	XML 190
Using Compositors	XML 159	Working with Named Attribute Groups	XML 191
Specifying the Occurrences of an Item	XML 160	Structuring a Schema	XML 192
Working with Child Elements and Attributes	XML 162	The Flat Catalog Design	XML 192
Specifying Mixed Content	XML 164	The Russian Doll Design	XML 193
Applying a Schema	XML 165	The Venetian Blind Design	XML 193
Session 4.1 Quick Check	XML 167	Placing a Schema in a Namespace	XML 195
Session 4.2	XML 167	Targeting a Namespace	XML 196
Working with XML Schema Data Types	XML 167	Applying the Namespace to the Instance Document ...	XML 197
String Data Types	XML 168	Qualified and Unqualified Names	XML 199
Numeric Data Types	XML 169	Validating a Compound Document	XML 201
Dates and Times	XML 171	Including and Importing Schemas	XML 204
Deriving New Data Types	XML 174	Referencing Objects from Other Schemas	XML 205
Deriving a List Data Type	XML 175	Session 4.3 Quick Check	XML 207
Deriving a Union Data Type	XML 176	Tutorial Summary	XML 207
Deriving a Restricted Data Type	XML 176	Key Terms	XML 207
Working with Character Patterns	XML 183	Review Assignments	XML 208
Regular Expressions	XML 183	Case Problem 1	XML 211
Applying a Regular Expression	XML 186	Case Problem 2	XML 213
Session 4.2 Quick Check	XML 189	Case Problem 3	XML 216
Session 4.3	XML 190	Case Problem 4	XML 221
		Quick Check Answers	XML 222

Appendix A **HTML A1**
Color Names and Color Values **HTML A1**

Appendix B **HTML B1**
HTML Character Entities **HTML B1**

Appendix C **HTML C1**
**Putting a Document on the
 World Wide Web** **HTML C1**

Appendix D **HTML D1**
Making the Web More Accessible **HTML D1**

Appendix E **HTML E1**
 HTML and XHTML Elements
 and Attributes **HTML E1**

Appendix F **HTML F1**
Cascading Style Sheets **HTML F1**

Appendix G **HTML G1**
JavaScript **HTML G1**
 Objects, Properties, Methods, and
 Event Handlers **HTML G1**

Appendix H **HTML H1**
JavaScript **HTML H1**
 Operators, Keywords, and Syntactical Elements . **HTML H1**

Appendix I **HTML I1**
Working with Cookies **HTML I1**

Appendix J **HTML J1**
**Creating Dynamic Web Pages
 With Netscape 4** **HTML J1**

XML Appendix A **XML A1**
Installing XMLSpy **XML A1**
 Using XMLSpy Software **XML A1**
Task Reference **REF 1**
Glossary/Index **REF 7**