

# Table of Contents

<b>Chapter 1 ■ Getting Started with HTML 5</b>	<b>1</b>
Introduction to HTML 5 .....	2
New API.....	2
New Structure.....	3
New Markup Elements and Attributes.....	3
New Form Elements and Attributes .....	4
Geolocation.....	4
Browser Support.....	5
Web Storage.....	5
Offline Application Caching.....	6
Error Handling.....	6
Defining HTML Markup .....	6
Basic Structure of an HTML Document .....	7
The <!DOCTYPE html> Element.....	7
The <html> Element .....	7
The <head> Element.....	8
The <title> Element.....	9
The <body> Element.....	9
Creating and Saving an HTML Document.....	10
Opening the HTML Document in a Web Browser.....	12
Modifying the Background of an HTML Web Page .....	12
Adding a Background Color to the Web Page .....	12
Adding a Background Image to the Web Page .....	15
Specifying Metadata about an HTML Web Page.....	16
Adding Description of the Web Page.....	17
Specifying Author of the Web Page .....	18
Specifying Keywords for Search Engines.....	19
Summary .....	20
<b>Chapter 2 ■ Introduction to New Elements in HTML 5</b>	<b>21</b>
The Markup Elements.....	22
The Media Elements.....	25
The Canvas Element.....	25
The Form Elements.....	27
The Input Type Attribute Values .....	27
The New Attributes .....	29
The New Event Attributes.....	31

The Window Event Attributes .....	31
The Form Events.....	32
The Mouse Events .....	33
The Media Events.....	33
Summary .....	34

## **Chapter 3 ■ Working with Text 35**

Adding Plain Text to an HTML Web Page.....	36
Adding Text in a New Line.....	37
Creating Headings on a Web Page .....	38
Creating a Paragraph .....	40
Creating a Horizontal Rule .....	41
Creating a Subscript and Superscript.....	43
Creating a Subscript.....	43
Creating a Superscript .....	44
Aligning the Text .....	44
Formatting the Text.....	46
Making the Text Bold.....	46
Making the Text Italic.....	47
Grouping the Text.....	47
Grouping Text as Blocks.....	47
Grouping Inline Text.....	49
Indenting Quotations .....	50
Working with Character Entities .....	51
Commenting the Text .....	53
Summary .....	54

## **Chapter 4 ■ Working with Lists, Tables, and Frames 55**

Working with Lists .....	56
Creating an Unordered List.....	56
Creating an Ordered List .....	57
Creating a Definition List.....	58
Nested Lists .....	60
Working with Tables.....	61
Creating a Table.....	61
Specifying a Caption to a Table.....	62
Adding a Table Heading.....	63
Setting the Table Border .....	65
Aligning a Table and Cell Content .....	66
Setting the Width of a Table and Table Columns .....	69

Changing the Background Color of a Table.....	72
Setting Cell Padding and Cell Spacing .....	73
Spanning Rows and Columns.....	75
Nesting Tables.....	78
Working with Frames .....	80
Creating a Frame .....	80
Defining New Element-Specific Attributes.....	81
Specifying Width and Height of a Frame.....	84
Applying Hyperlink Targets to a Frame .....	85
Summary .....	88

**Chapter 5 ■ Working with Hyperlinks, Images, and Multimedia 89**

Working with Hyperlinks .....	90
Creating a Hyperlink .....	90
Setting the Hyperlink Color.....	92
Linking Different Sections of a Web Page .....	93
Working with Images.....	94
Inserting an Image on a Web Page .....	95
Displaying Alternate Text for an Image .....	95
Adding a Border to an Image .....	96
Aligning an Image.....	97
Using Images as Links .....	98
Creating Image Maps.....	100
Working with Multimedia .....	102
Embedding Multimedia on a Web Page.....	102
Creating a Link to a Multimedia File .....	108
Using the <object> Tag to Insert Objects.....	109
Summary .....	110

**Chapter 6 ■ Working with Forms and Controls 111**

Creating an HTML Form.....	112
Specifying the Action URL and The Method to Send the Form .....	113
Adding Controls to an HTML Form.....	115
Using the <input> Tag to Add Controls .....	115
Adding a Text Area.....	140
Creating a Customizable Button.....	141
Adding a Selection Control.....	142
Understanding New Form Elements.....	143
The datalist Element .....	143



The keygen Element.....	145
The output Element.....	146
Grouping the Controls of HTML Forms.....	148
Specifying a Label for a Control.....	149
Summary.....	150

## **Chapter 7 ■ Working with Cascading Style Sheets 151**

Understanding Style Sheets.....	152
Working with Styles.....	152
External Style Sheets.....	153
Embedded Style Sheets.....	155
Inline Styles.....	156
Style Classes.....	157
Working with Background Properties.....	159
Setting the Background Color.....	160
Setting a Background Image.....	160
Working with Text Properties.....	162
Setting the Text Color.....	162
Indenting Text.....	163
Aligning Text.....	164
Decorating Text.....	165
Working with Font Properties.....	166
Setting the Font Family.....	167
Setting the Font Size.....	168
Setting the Font Style.....	169
Setting the Font Weight.....	169
Working with List Properties.....	170
Setting the Bullet Styles of Unordered Lists.....	171
Setting an Image as List Item Marker.....	172
Setting the Number Styles of Ordered Lists.....	173
Working with HTML Element Box Properties.....	175
Setting the Borders of an HTML Element Box.....	176
Setting the Margins of an HTML Element Box.....	177
Setting the Height of an HTML Element Box.....	178
Setting the Width of an HTML Element Box.....	180
Working with Positioning and Block Properties.....	181
Positioning HTML Elements using Relative Positioning.....	181
Positioning HTML Elements using Absolute Positioning.....	182
Summary.....	184

<b>Chapter 8 ■ Working with JavaScript in HTML Documents</b>		<b>185</b>
Adding a Script in an HTML Document .....		186
Creating a Script in an HTML Document .....		187
Using an External Script File .....		188
Hiding the Script .....		190
Working with Objects in JavaScript.....		191
Using an Object in a Script.....		193
Programming in JavaScript.....		194
Working with Statements.....		194
Commenting in JavaScript.....		194
Working with Data Types and Variables in JavaScript.....		195
Working with Fundamental Data Types.....		196
Working with Variables .....		197
Working with Operators .....		201
Working with Control Flow Statements.....		205
Working with Functions.....		218
Working with Arrays.....		221
Handling Events in JavaScript .....		223
Working with Popup Boxes in JavaScript .....		226
Handling Exceptions in JavaScript.....		231
Working with Geolocation API.....		236
Summary .....		238
<b>Chapter 9 ■ Working with XHTML</b>		<b>239</b>
Understanding the Basic Concepts of XHTML.....		240
XHTML DTD.....		240
Basic Structure of an XHTML Document.....		241
Creating and Saving an XHTML Document.....		242
Validating an XHTML Document.....		243
Summary .....		246