

Contents

Acknowledgments	vii
Introduction	xiii
Chapter 1: Best Practices for XHTML and CSS	1
Shoehorning Structure and Presentation Together	2
Learning to Love Your Markup	7
XHTML: The New Hotness	8
Abstracting Style from Structure	11
CSS: Adding a Layer of Style	18
Better Know Selectors	18
Other Selectors	23
Combining Multiple Declarations	26
Grouping Selectors	27
Indulging in Inheritance	28
Putting It All into Action	30
Understanding the Cascade	36
Discovering Style's Origin	36
Sorting by Specificity	38
Sorting by Order	40
Putting Theory into Practice	40
Building to a Reliable Browser	40
Rationalizing the Need for Hacks	41
The Problem with Hacks	45
Hacking Artfully for Fun and Profit	46
Summary	48
Chapter 2: Google's Blogger.com: Rollovers and Design Touches	49
Interviewing the Designer	50
CSS-Enabled Rollovers	53
Changing the Color and Background Color of Links (Simple)	54
Changing the Color and Background Color of Links (Complex)	55
Changing the Background Color of Table Rows	63
Changing the Color of Text	67
Changing the Background Position on Links	70
Summary	80

Contents

Chapter 3: The Classic U.S. PGA Championship Web Site	81
Developing the Drop-Shadow Effect	82
Creating the Illusion	83
Adding Extra Realism	87
Creating CSS Drop-Down Menus	91
Customizing the Positioning of Drop-Down Menus	91
Customization: Styling the Drop-Down Menus	93
Engineering Web Standards–Compliant Flash Embedding	97
Using the Flash Satay Method	97
Writing the object/embed Tags Using JavaScript	97
Knowing the SWFObject	98
Summary	98
Chapter 4: The University of Florida’s UFL.edu	99
Looking Back at UF’s First Web Site	99
Reflecting on Its Revisions	100
Examining the Current Site	102
Defining the Site	103
Building the Team	103
Starting with User Research	104
Examining Ourselves	104
Defining Technical Specs	105
Creating a Main Navigational Structure	106
The XHTML	106
The CSS	109
The Images	110
Brick by Brick	110
Making the Supplementary Navigation	114
The XHTML	114
The CSS	116
Revisiting Flash Embedding	121
Back to Flash Satay	122
Server-Side Detecting with Flash Satay	124
Looking for Missteps	126
Leading Only by Example	126
“Force of Habit” or “Who Moved My Input Field?”	126
Summary	126
Chapter 5: Stuff and Nonsense Ltd.: Strategies for CSS Switching	127
Laying the Foundation	128

Contents

CSS Switching	134
The Mechanics: How It's Supposed to Work	136
Persistent Style Sheets	136
Preferred Style Sheets	136
Alternate Style Sheets	137
Another Solution You (Almost) Can't Quite Use	139
The Reality: How It Can Work Today	140
Jumping on the JavaScript Bandwagon	141
Down with PHP	149
CSS beyond the Browser	152
Media Types: Let the Healing Begin	153
The Problem with Choice	157
Stuff and Nonsense: Building a Better Switcher	157
Meet the Designer: Andy Clarke	160
Summary	164
Chapter 6: Adventures of CindyLi.com: Blog Modifications	165
Blogs	165
CSS: Cindy Li Starts to Blog	167
Design Elements	167
Creating a Layout	167
Laying Out the Design	168
Creating the Site	170
Designing the Navigation Bar	170
Making the Rollover Graphics	172
Setting Up the Navigation Markup and CSS	173
Integrating the Rollovers	176
Setting the Speech Bubble	178
Coding the Speech Bubble	179
Reapplying the Effect	181
Putting on the Flickr Badge	181
Check Box Styling	187
Summary	193
Chapter 7: AIGA Cincinnati: HTML Email Templates	195
Dealing with HTML Email	195
Producing the Template	196
Printing the Design	196
Creating the HTML Table Layout	197
Adjusting the Design	206
Exploring the Effects of CSS Rules on an HTML Email Template	208

Contents

Embedding Styles	211
Using Preflight for HTML Email	212
Summary	213
Chapter 8: Professional CSS Book Site: Using Transparent PNGs	215
PNGs and Browser Support	216
Image Filter Workaround for Using PNGs with IE6	217
HTC Script Workaround for Using PNGs with IE6	217
Color Issues with PNGs	219
Using Alpha-Transparency	219
Better Shadows	219
Using Color Shades	221
Summary	225
Chapter 9: Building CSS Layouts	227
On Grids and Layouts	227
Doing What Print Can't	231
CSS Positioning: The Fundamentals	233
Absolutely Fabulous Positioning	234
Positioning That's Absolutely Relative	237
Building Three Columns: Laying the Foundation	239
Writing the XHTML: From Mockup to Markup	240
A Layer of Style	243
Battling Browser Bugs	251
Setting Some Boundaries: The max-width Property	258
Summary	260
Appendix A: HTML 4.01 Elements	261
Appendix B: Rules for HTML-to-XHTML Conversion	267
Appendix C: CSS 2.1 Properties	273
Appendix D: CSS Troubleshooting Guide	285
Index	291