



# jQuery Recipes

Find Ready-Made Solutions to  
All Your jQuery Problems

—  
*Second Edition*

—  
Bintu Harwani

Apress®

# **jQuery Recipes**

**Find Ready-Made Solutions to All  
Your jQuery Problems**

**Second Edition**

**Bintu Harwani**

**Apress®**

# *jQuery Recipes: Find Ready-Made Solutions to All Your jQuery Problems*

Bintu Harwani  
Ajmer, Rajasthan, India

ISBN-13 (pbk): 978-1-4842-7303-6  
<https://doi.org/10.1007/978-1-4842-7304-3>

ISBN-13 (electronic): 978-1-4842-7304-3

Copyright © 2022 by Bintu Harwani

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

Trademarked names, logos, and images may appear in this book. Rather than use a trademark symbol with every occurrence of a trademarked name, logo, or image we use the names, logos, and images only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

The use in this publication of trade names, trademarks, service marks, and similar terms, even if they are not identified as such, is not to be taken as an expression of opinion as to whether or not they are subject to proprietary rights.

While the advice and information in this book are believed to be true and accurate at the date of publication, neither the authors nor the editors nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Managing Director, Apress Media LLC: Welmoed Spahr  
Acquisitions Editor: Louise Corrigan  
Development Editor: James Markham  
Coordinating Editor: Nancy Chen

Cover designed by eStudioCalamar

Cover image by Shyam on Unsplash ([www.unsplash.com](http://www.unsplash.com))

Distributed to the book trade worldwide by Apress Media, LLC, 1 New York Plaza, New York, NY 10004, U.S.A. Phone 1-800-SPRINGER, fax (201) 348-4505, e-mail [orders-ny@springer-sbm.com](mailto:orders-ny@springer-sbm.com), or visit [www.springeronline.com](http://www.springeronline.com). Apress Media, LLC is a California LLC and the sole member (owner) is Springer Science + Business Media Finance Inc (SSBM Finance Inc). SSBM Finance Inc is a **Delaware** corporation.

For information on translations, please e-mail [booktranslations@springernature.com](mailto:booktranslations@springernature.com); for reprint, paperback, or audio rights, please e-mail [bookpermissions@springernature.com](mailto:bookpermissions@springernature.com).

Apress titles may be purchased in bulk for academic, corporate, or promotional use. eBook versions and licenses are also available for most titles. For more information, reference our Print and eBook Bulk Sales web page at [www.apress.com/bulk-sales](http://www.apress.com/bulk-sales).

Any source code or other supplementary material referenced by the author in this book is available to readers on GitHub via the book's product page, located at [www.apress.com/9781484273036](http://www.apress.com/9781484273036). For more detailed information, please visit [www.apress.com/source-code](http://www.apress.com/source-code).

Printed on acid-free paper

*I dedicate this book to my lovely mom, dad, wife, and two dearest children. My mom, Mrs. Neeta, and my dad, Mr. Mohan, have been and will always be my inspiration. My sweet wife, Anushka, always stands beside me as my strength and my two sons, Chirag and Naman, are not only part of my small world but also my life line.*

# Table of Contents

<b>About the Author .....</b>	<b>xxvii</b>
<b>About the Technical Reviewer .....</b>	<b>xxix</b>
<b>Acknowledgments .....</b>	<b>xxxi</b>
<b>Introduction .....</b>	<b>xxxiii</b>
<b>Chapter 1: JQuery Basics .....</b>	<b>1</b>
What Is jQuery? .....	2
Understanding the DOM .....	3
Selectors .....	4
Types of Selectors .....	4
1-1. Including the jQuery Library in a Web Page.....	5
Problem .....	5
Solution .....	5
How It Works .....	6
1-2. Getting the Document Ready Before Processing.....	7
Problem .....	7
Solution .....	7
How It Works .....	7
1-3. Applying a Style to a Wrapper Set .....	8
Problem .....	8
Solution .....	8
How It Works .....	9
1-4. Applying a Style to Specific Paragraphs.....	10
Problem .....	10
Solution .....	10
How It Works .....	12

TABLE OF CONTENTS

- 1-5. Counting Paragraphs of a Specific Class and Applying Styles to Them ..... 13
  - Problem ..... 13
  - Solution ..... 13
  - How It Works ..... 15
- 1-6. Returning to a Prior Selection ..... 16
  - Problem ..... 16
  - Solution ..... 16
  - How It Works ..... 18
- 1-7. Removing a DOM and Prepending and Appending Elements ..... 20
  - Problem ..... 20
  - Solution ..... 20
  - How It Works ..... 22
- 1-8. Applying Chaining to Apply Styles on Selected List Elements ..... 23
  - Problem ..... 23
  - Solution ..... 23
  - How It Works ..... 25
- 1-9. Using a for Loop to Display Elements of an Unordered List..... 26
  - Problem ..... 26
  - Solution ..... 26
  - How It Works ..... 27
- 1-10. Replacing a DOM Element ..... 29
  - Problem ..... 29
  - Solution ..... 29
  - How It Works ..... 30
- 1-11. Replacing Text and HTML ..... 31
  - Problem ..... 31
  - Solution ..... 31
  - How It Works ..... 32
- 1-12. Cloning a DOM ..... 32
  - Problem ..... 32
  - Solution ..... 32
  - How It Works ..... 33

1-13. Displaying Siblings .....	35
Problem .....	35
Solution .....	35
How It Works .....	37
1-14. Setting and Getting Attributes .....	38
Problem .....	38
Solution .....	38
How It Works .....	40
1-15. Counting the Number of Nodes in the DOM and Displaying Their Text.....	42
Problem .....	42
Solution .....	42
How It Works .....	43
1-16. Obtaining the HTML of an Element.....	46
Problem .....	46
Solution .....	46
1-17. Assigning the Same Class Name to Different HTML Elements and Applying Styles to Them.....	48
Problem .....	48
Solution .....	48
1-18. Summary.....	50
<b>Chapter 2: Arrays and Iteration .....</b>	<b>51</b>
2-1. Sorting an Array.....	51
Problem .....	51
Solution .....	52
How It Works .....	54
2-2. Splitting an Array into Two.....	56
Problem .....	56
Solution .....	56
join( ).....	58
How It Works .....	58

TABLE OF CONTENTS

- 2-3. Searching and Displaying Desired Values from a Numerical Array ..... 59
  - Problem ..... 59
  - Solution ..... 59
  - How It Works ..... 62
- 2-4. Concatenating Two Arrays ..... 63
  - Problem ..... 63
  - Solution ..... 63
  - How It Works ..... 65
- 2-5. Searching for Desired Information in a String Array..... 67
  - Problem ..... 67
  - Solution ..... 67
  - How It Works ..... 69
- 2-6. Manipulating Array Elements..... 71
  - Problem ..... 71
  - Solution ..... 71
  - How It Works ..... 74
- 2-7. Converting a Numerical Array into a String and Finding Its Substring ..... 75
  - Problem ..... 75
  - Solution ..... 76
  - How It Works ..... 77
- 2-8. Creating an Array of Objects and Displaying the Content..... 78
  - Problem ..... 78
  - Solution ..... 78
  - How It Works ..... 80
- 2-9. Using Associative Arrays ..... 81
  - Problem ..... 81
  - Solution ..... 81
  - How It Works ..... 82



2-10. Sorting an Array of Objects.....	83
Problem .....	83
Solution .....	83
How It Works .....	85
2-11. Summary .....	86
<b>Chapter 3: Understanding the Event Model .....</b>	<b>87</b>
3-1. Displaying a Message on Getting Focus and When Blurred .....	88
Problem .....	88
Solution .....	88
How It Works .....	91
3-2. Finding Which Mouse Button Is Pressed .....	93
Problem .....	93
Solution .....	93
How It Works .....	95
3-3. Changing the Style on a Mouse Entering and Leaving an HTML Element .....	96
Problem .....	96
Solution .....	96
How It Works .....	101
3-4. Using a Mouse Hover Event to Change the Style on a Button .....	102
Problem .....	102
Solution .....	102
How It Works .....	104
3-5. Using Mouse Up and Down Events to Show and Hide an Image .....	105
Problem .....	105
Solution .....	106
How It Works .....	109
3-6. Making Two Buttons, One for Hiding and One for Displaying an Image.....	110
Problem .....	110
Solution .....	110
How It Works .....	114

TABLE OF CONTENTS

- 3-7. Zoom In and Out of an Image Using toggleClass ..... 116
  - Problem ..... 116
  - Solution ..... 116
  - How It Works ..... 118
- 3-8. Avoiding Event Bubbling ..... 119
  - Problem ..... 119
  - Solution ..... 120
  - How It Works ..... 121
- 3-9. Knowing Which Key Is Down, Pressed, or Released ..... 124
  - Problem ..... 124
  - Solution ..... 124
  - How It Works ..... 126
- 3-10. Applying a Fading Effect to an Image ..... 128
  - Problem ..... 128
  - Solution ..... 128
  - How It Works ..... 130
- 3-11. Applying Animation on an Image ..... 131
  - Problem ..... 131
  - Solution ..... 132
  - How It Works ..... 133
- 3-12. Triggering Events Automatically ..... 136
  - Problem ..... 136
  - Solution ..... 136
  - How It Works ..... 138
- 3-13. Disabling a Button After It Is Clicked Once ..... 139
  - Problem ..... 139
  - Solution ..... 139
  - How It Works ..... 140
- 3-14. Finding the Screen Coordinates of a Mouse-Button Press ..... 142
  - Problem ..... 142
  - Solution ..... 142
  - How It Works ..... 143

3-15. Highlighting Text Dynamically.....	144
Problem .....	144
Solution .....	144
How It Works .....	145
3-16. Making an Image Bright or Blurred with Mouse Movements .....	147
Problem .....	147
Solution .....	147
How It Works .....	148
3-17. Creating Image-Based Rollovers .....	150
Problem .....	150
Solution .....	150
How It Works .....	152
3-18. Adding and Removing Text in Response to Events .....	155
Problem .....	155
Solution .....	155
How It Works .....	156
3-19. Displaying Word Balloons .....	157
Problem .....	157
Solution .....	157
How It Works .....	159
3-20. Creating “Return to Top” Links .....	161
Problem .....	161
Solution .....	161
How It Works .....	162
3-21. Displaying Text with an Animation Effect .....	163
Problem .....	163
Solution .....	164
How It Works .....	166

TABLE OF CONTENTS

- 3-22. Replacing Text with a Sliding Effect ..... 168
  - Problem ..... 168
  - Solution ..... 168
  - How It Works ..... 169
- 3-23. Summary ..... 171
- Chapter 4: Form Validation ..... 173**
- 4-1. Confirming a Required Field Is Not Left Blank..... 174
  - Problem ..... 174
  - Solution ..... 174
  - How It Works ..... 176
- 4-2. Validating a Numerical Field ..... 177
  - Problem ..... 177
  - Solution ..... 177
  - How It Works ..... 181
- 4-3. Validating Phone Numbers ..... 184
  - Problem ..... 184
  - Solution ..... 184
  - How It Works ..... 186
- 4-4. Validating a User Id..... 187
  - Problem ..... 187
  - Solution ..... 187
  - How It Works ..... 189
- 4-5. Validating a Date..... 190
  - Problem ..... 190
  - Solution ..... 190
  - How It Works ..... 192
- 4-6. Validating an Email Address ..... 193
  - Problem ..... 193
  - Solution ..... 194
  - How It Works ..... 195

4-7. Checking Whether a Checkbox Is Checked or Not.....	197
Problem .....	197
Solution .....	197
How It Works .....	201
4-8. Checking If a Radio Button Is Selected.....	203
Problem .....	203
Solution .....	204
How It Works .....	205
4-9. Checking That an Option in a Select Element is Selected .....	207
Problem .....	207
Solution .....	207
How It Works .....	209
4-10. Applying Styles to Options and a Form Button .....	213
Problem .....	213
Solution .....	213
How It Works .....	215
4-11. Checking and Unchecking All Checkboxes Together .....	219
Problem .....	219
Solution .....	219
How It Works .....	221
4-12. Validating Two Fields .....	223
Problem .....	223
Solution .....	223
How It Works .....	225
4-13. Matching the Password and Confirming Password Fields .....	229
Problem .....	229
Solution .....	229
How It Works .....	231
4-14. Disabling Certain Fields.....	233
Problem .....	233
Solution .....	233
How It Works .....	236

TABLE OF CONTENTS

- 4-15. Validating a Complete Form..... 238
  - Problem ..... 238
  - Solution ..... 238
  - How It Works ..... 243
- 4-16. Summary ..... 254
- Chapter 5: Page Navigation ..... 255**
- 5-1. Writing a Breadcrumb Menu..... 255
  - Problem ..... 255
  - Solution ..... 256
  - How It Works ..... 257
- 5-2. Adding a Hover Effect to Menu Items ..... 258
  - Problem ..... 258
  - Solution ..... 258
  - How It Works ..... 261
- 5-3. Creating a Contextual Menu ..... 262
  - Problem ..... 262
  - Solution ..... 263
  - How It Works ..... 266
- 5-4. Creating a Navigation Menu with Access Keys ..... 268
  - Problem ..... 268
  - Solution ..... 268
  - How It Works ..... 272
- 5-5. Creating a Context Menu on Right Click ..... 274
  - Problem ..... 274
  - Solution ..... 274
  - How It Works ..... 277
- 5-6. Creating Two Menus with Separate Menu Items ..... 279
  - Problem ..... 279
  - Solution ..... 279
  - How It Works ..... 281

5-7. Creating Two Menus with Submenu Items .....	283
Problem .....	283
Solution .....	284
How It Works .....	286
5-8. Making an Accordion Menu .....	290
Problem .....	290
Solution .....	291
How It Works .....	293
5-9. Making a Dynamic Visual Menu.....	296
Problem .....	296
Solution .....	296
How It Works .....	300
5-10. Summary .....	304
<b>Chapter 6: Implementing Animation.....</b>	<b>305</b>
6-1. Animating an Image to the Right and Then the Left .....	305
Problem .....	305
Solution .....	305
How It Works .....	307
6-2. Managing and Manipulating the jQuery Queue .....	311
Problem .....	311
Solution .....	311
How It Works .....	313
Popping the Last Function from the Queue .....	314
6-3. Showing Images One by One by Clicking the Next and Previous buttons .....	315
Problem .....	315
Solution .....	316
How It Works .....	321
Displaying All Hidden Images One by One When Any Arrow Key Is Pressed.....	323
Making the Images Slide Continuously .....	325

TABLE OF CONTENTS

- 6-4. Zooming In on an Image When the Mouse Hovers Over It..... 326
  - Problem ..... 326
  - Solution ..... 326
  - How It Works ..... 328
- 6-5. Displaying Detailed Information on Clicking the “Read More” Link ..... 329
  - Problem ..... 329
  - Solution ..... 330
  - How It Works ..... 332
- 6-6. Expanding and Collapsing a List Using Animation..... 333
  - Problem ..... 333
  - Solution ..... 333
  - How It Works ..... 335
- 6-7. Summary ..... 337
- Chapter 7: Sliding and Visual Effects ..... 339**
- 7-1. Displaying Images, One at a Time Infinitely..... 340
  - Problem ..... 340
  - Solution ..... 340
- 7-2. Making a Ball Bounce..... 346
  - Problem ..... 346
  - Solution ..... 346
- 7-3. Making Images Scroll Vertically Upward Within a Box ..... 348
  - Problem ..... 348
  - Solution ..... 349
- 7-4. Displaying Images Vertically, Each Replaced by the Next in Sequence..... 352
  - Problem ..... 352
  - Solution ..... 352
- 7-5. Making a News Scroller ..... 357
  - Problem ..... 357
  - Solution ..... 357



7-6. Showing Images One After the Other on Hover .....	362
Problem .....	362
Solution .....	362
How It Works .....	364
7-7. Showing Images Pagewise.....	367
Problem .....	367
Solution .....	367
How It Works .....	369
7-8. Shuffling Images in Either Direction.....	371
Problem .....	371
Solution .....	371
How It Works .....	374
7-9. Writing a Pendulum Scroller.....	377
Problem .....	377
Solution .....	377
How It Works .....	379
7-10. Scrolling Images Using Arrays.....	380
Problem .....	380
Solution .....	381
7-11. Summary.....	386
<b>Chapter 8: Dealing with Tables .....</b>	<b>387</b>
8-1. Hovering Over Table Rows.....	387
Problem .....	387
Solution .....	388
How It Works .....	389
8-2. Highlighting Alternate Columns.....	390
Problem .....	390
Solution .....	390
How It Works .....	391

TABLE OF CONTENTS

- 8-3. Filtering Rows..... 396
  - Problem ..... 396
  - Solution ..... 396
  - How It Works ..... 397
- 8-4. Hiding the Selected Column ..... 399
  - Problem ..... 399
  - Solution ..... 399
  - How It Works ..... 400
  - How It Works ..... 402
- 8-5. Paginating the Table ..... 403
  - Problem ..... 403
  - Solution ..... 403
  - How It Works ..... 405
- 8-6. Expanding and Collapsing List Items..... 408
  - Problem ..... 408
  - Solution ..... 408
  - How It Works ..... 411
- 8-7. Expanding and Collapsing Rows of the Table ..... 413
  - Problem ..... 413
  - Solution ..... 414
  - How It Works ..... 416
- 8-8. Sorting List Items ..... 422
  - Problem ..... 422
  - Solution ..... 422
  - How It Works ..... 423
- 8-9. Sorting a Table..... 424
  - Problem ..... 424
  - Solution ..... 424
  - How It Works ..... 427
  - How It Works ..... 432

8-10. Filtering Rows from a Table .....	434
Problem .....	434
Solution .....	434
How It Works .....	437
8-11. Summary .....	438
<b>Chapter 9: jQuery UI.....</b>	<b>439</b>
9-1. Using Datepicker .....	439
Problem .....	439
Solution .....	440
Configuring Properties of the Datepicker Widget .....	441
Changing the Date Format.....	444
Applying Styles to the Datepicker.....	446
9-2. Using the Autocomplete Widget.....	448
Problem .....	448
Solution .....	448
Configuring the Autocomplete Widget .....	450
9-3. Using an Accordion.....	453
Problem .....	454
Solution .....	454
Configuring an Accordion .....	457
9-4. Using Dialogs.....	460
Problem .....	461
Solution .....	461
Options to Configure a Dialog Box.....	462
9-5. Using the Tabs Widget .....	466
Problem .....	466
Solution .....	467
Options to Configure Tabs.....	470
9-6. Summary .....	471

- Chapter 10: AJAX..... 473**
- 10-1. Returning a Single Line of Text from the Server..... 474
  - Problem ..... 474
  - Solution ..... 474
- 10-2. Returning Multiple Lines of Text from Server ..... 476
  - Problem ..... 476
  - Solution ..... 476
- 10-3. Returning a Name/Value Pair Using JSON..... 479
  - Problem ..... 479
  - Solution ..... 479
- 10-4. Returning a JSON Object ..... 482
  - Problem ..... 482
  - Solution ..... 482
- 10-5. Returning the JSON Object That Displays Images ..... 484
  - Problem ..... 484
  - Solution ..... 484
- 10-6. Converting a String to Uppercase Using AJAX..... 489
  - Problem ..... 489
  - Solution ..... 489
- 10-7. Displaying the Price of the Selected Product Through an AJAX Request ..... 492
  - Problem ..... 492
  - Solution ..... 492
- 10-8. Authenticating a User Using AJAX ..... 495
  - Problem ..... 495
  - Solution ..... 495
- 10-9. Validating a User Name ..... 506
  - Problem ..... 506
  - Solution ..... 507
  - How It Works ..... 509

10-10. Using Autocomplete.....	510
Problem .....	510
Solution .....	510
How It Works .....	514
10-11. Importing HTML.....	518
Problem .....	518
Solution .....	518
How It Works .....	520
10-12. Getting XML Data.....	521
Problem .....	521
Solution .....	522
How It Works .....	525
10-13. Paginating Tables .....	527
Problem .....	527
Solution .....	527
How It Works .....	530
10-14. Summary .....	531
<b>Chapter 11: Creating and Using jQuery Plugins.....</b>	<b>533</b>
Creating a Plugin.....	533
11-1. Creating a Plugin That Changes the Font Size, Font Style, and Foreground and Background Color of an Element .....	535
Problem .....	535
Solution .....	535
11-2. Making a Plugin Chainable .....	537
11-3. Enabling Passing Customization Options to a Plugin .....	539
Problem .....	539
Solution .....	539
Modifying Content Using a Plugin.....	542
Using Plugins.....	544

TABLE OF CONTENTS

- 11-4. Displaying Images Slider Using a Magnific Popup Plugin ..... 544
  - Problem ..... 544
  - Solution ..... 545
- 11-5. Displaying Dynamic Checkboxes and Radio Buttons Using an iCheck Plugin ..... 554
  - Problem ..... 554
  - Solution ..... 554
- 11-6. Creating an Image Gallery and Carousel Using a blueimp Gallery Plugin ..... 562
  - Problem ..... 563
  - Solution ..... 563
- 11-7. Validating a Form Using a jQuery Validation Plugin ..... 571
  - Problem ..... 571
  - Solution ..... 572
- 11-8. Summary ..... 576
- Chapter 12: Using CSS ..... 577**
- 12-1. Distinguishing HTML Elements ..... 578
  - Problem ..... 578
  - Solution ..... 578
  - How It Works ..... 580
- 12-2. Applying Styles to an Element Nested Inside Another Element ..... 580
  - Problem ..... 580
  - Solution ..... 580
  - How It Works ..... 582
- 12-3. Indenting Paragraphs ..... 583
  - Problem ..... 583
  - Solution ..... 583
  - How It Works ..... 584
- 12-4. Applying an Initial Cap to a Paragraph ..... 585
  - Problem ..... 585
  - Solution ..... 585
  - How It Works ..... 586

12-5. Removing the Gap Between Heading and Paragraph.....	587
Problem .....	587
Solution .....	587
How It Works .....	588
12-6. Applying Styles to Heading Text.....	589
Problem .....	589
Solution .....	589
How It Works .....	590
12-7. Indenting the First Line Of Multiple Paragraphs .....	590
Problem .....	590
Solution .....	591
How It Works .....	592
12-8. Creating Paragraphs with Hanging Indents.....	592
Problem .....	592
Solution .....	593
How It Works .....	593
12-9. Creating a Bordered Pull Quote .....	594
Problem .....	594
Solution .....	594
How It Works .....	596
12-10. Creating a Pull Quote with Images .....	596
Problem .....	596
Solution .....	596
How It Works .....	599
12-11. Applying List Properties to List Items .....	600
Problem .....	600
Solution .....	600
How It Works .....	602

TABLE OF CONTENTS

- 12-12. Applying Styles to Only Selected List Items..... 602
  - Problem ..... 602
  - Solution ..... 602
  - How It Works ..... 606
- 12-13. Placing Dividers Between List Items ..... 607
  - Problem ..... 607
  - Solution ..... 607
  - How It Works ..... 608
- 12-14. Applying Image Markers to the List..... 608
  - Problem ..... 608
  - Solution ..... 609
  - How It Works ..... 610
- 12-15. Creating Inline Lists..... 611
  - Problem ..... 611
  - Solution ..... 611
  - How It Works ..... 613
- 12-16. Applying Styles to Hyperlinks and mailto ..... 613
  - Problem ..... 613
  - Solution ..... 613
  - How It Works ..... 616
- 12-17. Assigning Different Dimensions to HTML Elements..... 617
  - Problem ..... 617
  - Solution ..... 617
  - How It Works ..... 618
- 12-18. Placing HTML Elements..... 619
  - Problem ..... 619
  - Solution ..... 619
  - How It Works ..... 621
- 12-19. Creating a Multicolumn Layout..... 622
  - Problem ..... 622
  - Solution ..... 622
  - How It Works ..... 625



12-20. Wrapping Text Around Images ..... 626  
     Problem ..... 626  
     Solution ..... 626  
     How It Works ..... 627

12-21. Placing a Drop Shadow Behind an Image ..... 628  
     Problem ..... 628  
     Solution ..... 628  
     How It Works ..... 630

12-22. Changing the Cursor When the Mouse Moves Over a Link..... 632  
     Problem ..... 632  
     Solution ..... 632  
     How It Works ..... 633

12-23. Displaying a Long Piece of Text Within a Specific Area ..... 634  
     Problem ..... 634  
     Solution ..... 634  
     How It Works ..... 635

12-24. Making a Rounded Corner Column..... 637  
     Problem ..... 637  
     Solution ..... 637  
     How It Works ..... 639

12-25. Applying Text Decorations ..... 639  
     Problem ..... 639  
     Solution ..... 640  
     How It Works ..... 641

12-26. Scaling Images ..... 642  
     Problem ..... 642  
     Solution ..... 642  
     How It Works ..... 643

TABLE OF CONTENTS

- 12-27. Setting a Background Image ..... 645
  - Problem ..... 645
  - Solution ..... 645
  - How It Works ..... 647
- 12-28. Centering a Background Image in the Browser..... 647
  - Problem ..... 647
  - Solution ..... 647
  - How It Works ..... 648
- 12-29. Making the Background Image Stationary ..... 649
  - Problem ..... 649
  - Solution ..... 649
  - How It Works ..... 650
- 12-30. Summary ..... 651
- Appendix A: Installing WampServer ..... 653**
  - A-1. Downloading WampServer ..... 653
  - A-2. Installing WampServer ..... 654
- Index..... 667**