

# PHP Web Development with Macromedia Dreamweaver MX 2004

ALLAN KENT AND DAVID POWERS WITH RACHEL ANDREW

Apress®

PHP Web Development with Macromedia Dreamweaver MX 2004  
Copyright © 2004 by Allan Kent, David Powers, Rachel Andrew

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

ISBN (pbk): 1-59059-350-2

Printed and bound in the United States of America 10987654321

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

Lead Editor: Chris Mills

Editorial Board: Steve Anglin, Dan Appleman, Ewan Buckingham, Gary Cornell, Tony Davis, John Franklin, Jason Gilmore, Chris Mills, Steve Rycroft, Dominic Shakeshaft, Jim Sumser, Karen Watterson, Gavin Wray, John Zukowski

Project Managers: Nate McFadden, Laura Cheu

Copy Edit Manager: Nicole LeClerc

Copy Editor: Marilyn Smith

Production Manager: Kari Brooks

Production Editor: Janet Vail

Compositor: Susan Glinert Stevens

Proofreader: Liz Welch

Indexer: Valerie Perry

Artist: Kinetic Publishing Services, LLC

Cover Designer: Kurt Krames

Manufacturing Manager: Tom Debolski

Distributed to the book trade in the United States by Springer-Verlag New York, Inc., 175 Fifth Avenue, New York, NY 10010 and outside the United States by Springer-Verlag GmbH & Co. KG, Tiergartenstr. 17, 69112 Heidelberg, Germany.

In the United States: phone 1-800-SPRINGER, e-mail [orders@springer-ny.com](mailto:orders@springer-ny.com), or visit <http://www.springer-ny.com>. Outside the United States: fax +49 6221 345229, e-mail [orders@springer.de](mailto:orders@springer.de), or visit <http://www.springer.de>.

For information on translations, please contact Apress directly at 2560 Ninth Street, Suite 219, Berkeley, CA 94710. Phone 510-549-5930, fax 510-549-5939, e-mail [info@apress.com](mailto:info@apress.com), or visit <http://www.apress.com>.

The information in this book is distributed on an “as is” basis, without warranty. Although every precaution has been taken in the preparation of this work, neither the author(s) nor Apress shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this work.

The source code for this book is available to readers at <http://www.apress.com> in the Downloads section.

# Contents

<i>About the Authors</i> .....	<i>ix</i>
<i>Introduction</i> .....	<i>xi</i>
<i>Chapter 1 Introduction to PHP</i> .....	<i>1</i>
<i>What Exactly Is PHP?</i> .....	<i>1</i>
<i>The PHP Language</i> .....	<i>3</i>
<i>Summary</i> .....	<i>26</i>
<i>Chapter 2 Introduction to MySQL and SQL</i> .....	<i>27</i>
<i>Administering Your Database</i> .....	<i>27</i>
<i>Creating a Database</i> .....	<i>40</i>
<i>Creating a User with Rights</i> .....	<i>42</i>
<i>Creating a Sample Table</i> .....	<i>46</i>
<i>Manipulating Data</i> .....	<i>53</i>
<i>Summary</i> .....	<i>59</i>
<i>Chapter 3 Introduction to Dreamweaver MX 2004</i> .....	<i>61</i>
<i>Changes in Dreamweaver MX 2004</i> .....	<i>61</i>
<i>Setting Up a Site</i> .....	<i>71</i>
<i>Managing Your Site</i> .....	<i>77</i>
<i>Summary</i> .....	<i>81</i>
<i>Chapter 4 Web Standards in Dreamweaver</i> .....	<i>83</i>
<i>Authoring Valid XHTML</i> .....	<i>83</i>
<i>Authoring Valid CSS</i> .....	<i>96</i>
<i>Using CSS Tools in Dreamweaver MX 2004</i> .....	<i>101</i>
<i>Creating Valid Markup</i> .....	<i>113</i>
<i>Using CSS for Layout</i> .....	<i>134</i>
<i>Addressing Browser and Device Issues</i> .....	<i>145</i>
<i>Working with Dynamic Data</i> .....	<i>150</i>
<i>Summary</i> .....	<i>151</i>

<b>Chapter 5</b>	<b>Data Manipulation and Server Behaviors</b>	<b>153</b>
Setting Up a Database		153
Connecting Web Pages to a Database		157
Using Recordsets to Retrieve Data		159
Adding New Records to a Database		166
Displaying Data from a Database		169
Modifying Data in a Database		176
Reporting Database Information		196
Summary		201
<b>Chapter 6</b>	<b>Code Reuse with Dreamweaver and PHP</b>	<b>203</b>
Using Dreamweaver Templates		203
Recycling Code with Dreamweaver Library Items		221
Building Your Own Code Library		226
Including Code from External Files in PHP Pages		236
Summary		244
<b>Chapter 7</b>	<b>Dreamweaver Extensions</b>	<b>247</b>
Introducing the Extension Manager		247
Getting and Installing Extensions		249
Creating Your Own Extensions		256
Packaging Extensions		289
Summary		294
<b>Chapter 8</b>	<b>Debugging and Error Handling</b>	<b>295</b>
Syntax Errors		296
Dreamweaver MX 2004 Features to Help Avoid Syntax Errors		304
Runtime Errors		311
Logic Errors		326
Debugging Techniques		333
Summary		340

<b>Chapter 9 Case Study: Roundtree Garden Club</b>	341
<i>An Overview of the Project</i>	341
<i>Planning and Creating the Database Tables</i>	343
<i>Building the Administration Section</i>	353
<i>Creating the Public Face of the Web Site</i>	417
<i>The Road Ahead</i>	458
 <b>Appendix Setting Up Your Environment</b>	461
<i>Setting Up in a Windows System</i>	461
<i>Setting Up in a Mac OS X System</i>	487
<i>Setting Up Dreamweaver MX 2004</i>	500
 <b>Index</b>	505