

# Contents

About the Authors .....	<i>ix</i>
Introduction .....	<i>xiii</i>
<b>Chapter 1 Welcome to ColdFusion MX 6.1.....</b>	<b>1</b>
A Brief History of ColdFusion .....	1
Integration with Studio MX.....	2
Integration with Dreamweaver.....	3
The ColdFusion MX 6.1 Server and CFML .....	4
Installing the ColdFusion MX 6.1 Server .....	5
The ColdFusion MX 6.1 Administrator .....	8
Setting Up a Site in Dreamweaver MX 2004 .....	14
Getting Started with CFML .....	17
Summary.....	20
<b>Chapter 2 Databases and Dreamweaver MX 2004.....</b>	<b>21</b>
Different Kinds of Databases .....	22
Using an Access Database .....	24
Getting Started with SQL Queries .....	28
Setting Up a Data Source .....	32
Using Dreamweaver MX 2004 to Create Queries .....	34
Using Dreamweaver MX 2004's Advanced Recordset Interface .....	37
Summary.....	45
<b>Chapter 3 Introduction to ColdFusion         Markup Language .....</b>	<b>47</b>
Introducing CFML .....	47
Understanding Common ColdFusion Tags .....	53
Summary.....	83

<b>Chapter 4 ColdFusion Variables and Logic</b>	<b>85</b>
Variable Scopes	85
Data Types	94
Functions	97
Summary	131
 <b>Chapter 5 Form Processing</b>	 <b>133</b>
Getting Started with Form Processing	133
Server-Side Validation	136
Creating an E-mail Feedback Form	142
Working with File Uploads	147
Forms and Checkboxes	153
Multiple Submit Buttons	155
Using Pre-built Server Behaviors	158
Logging Out Users	166
Restrict Access to a Page	168
Insert Record	171
Check New Username	174
Summary	176
 <b>Chapter 6 Database Manipulation</b>	 <b>177</b>
Recordsets and Dynamic Tables	177
Adding an Edit Page	180
Building an Insert Page	184
Recordset Paging	188
Creating a Dynamic Image Gallery in ColdFusion	198
Advanced SQL Topics	204
Summary	215
 <b>Chapter 7 Maintaining State</b>	 <b>217</b>
Using Cookies	217
Session Variables	221
Application Variables	231
Client Variables	240
Understanding Cookieless Sessions	248
Summary	251

<b>Chapter 8 Exception Handling with CFML</b>	<b>253</b>
Configuring the ColdFusion Administrator to	
Handle Errors at the Server Level	254
Using <cferror> to Handle Errors at the	
Application Level	256
Using <cfcatch>, <cftry>, <cfthrow>, and	
<cfrethrow> to Build More Robust Exception	
Handling	259
When and How to Define and Handle Custom	
Exceptions	263
Best Practices and More on Structured Exception	
Handling	266
Debugging Using the ColdFusion Administrator	
Debug Settings	267
Using <cftrace> to Debug an Application	269
Using <cfdump> to Debug Applications	272
Using <cftransaction> to Protect Data Integrity	274
Summary	277
 <b>Chapter 9 Dreamweaver MX 2004 Extensions</b>	 <b>279</b>
Exploring Extensions	280
Yaromat Check Form	284
Massimocorner CF Upload	288
Dreamweaver's Server Behavior Builder	292
Summary	301
 <b>Chapter 10 Code and Component Reuse</b>	 <b>303</b>
The ColdFusion <cfinclude> tag	304
ColdFusion UDFs	304
ColdFusion Custom Tags	305
ColdFusion Components	309
Dreamweaver Snippets	311
Dreamweaver Library	315
Dreamweaver Templates	319
Dreamweaver Tag Libraries	327
Summary	331

<b>Chapter 11 Working with XML in ColdFusion MX 6.1</b>	<b>333</b>
XML: What Is It? Why Use It? .....	333
Dynamically Creating XML .....	336
Using XML with External Sources .....	339
Accessing and Manipulating XML Data .....	342
Searching for and Extracting XML Data with XPath .....	347
Transforming XML with XSLT .....	350
Summary .....	355
 <b>Chapter 12 Flash MX 2004, Web Services, and ColdFusion MX 6.1</b>	 <b>357</b>
Flash Remoting .....	358
Flash and ColdFusion Both Understand XML .....	358
loadVariables .....	359
Using Flash .....	359
ActionScript 2.0 .....	366
Using Flash Components .....	368
Publishing a Movie .....	369
The (ColdFusion) Server Side of the Service .....	371
Sending the Current Time to Flash .....	371
Examining the Web Service in Flash MX 2004 Professional ....	372
Displaying the Time from the Server .....	374
Consuming a Web Service with Flash .....	380
Describing Web Service Data in Flash .....	384
Web Services Classes .....	398
Summary .....	408
 <b>Chapter 13 Case Study: A Complete ColdFusion-Based Web Site</b>	 <b>409</b>
Running the Example Site .....	409
Planning a Web Site .....	410
Planning the Case Study Web Site .....	413
Getting Started .....	418
Building the Main Areas of the Site .....	425
The Administration Site .....	435
Summary .....	450
 Index .....	 451