

# Contents

About the Author .....	<i>.xi</i>
About the Technical Reviewer .....	<i>.xii</i>
Acknowledgments .....	<i>.xiii</i>
Introduction .....	<i>.xv</i>

## ***Part One Using Web Matrix .....****1*

### **Chapter 1 An Overview of Web Matrix .....**

*3*

What Is Web Matrix? .....	<i>.4</i>
Why Use Web Matrix? .....	<i>.6</i>
Web Matrix Features .....	<i>.9</i>
What Web Matrix Can and Can't Do For You .....	<i>.14</i>
Designing a Test Setup .....	<i>.19</i>
Summary .....	<i>.24</i>

### **Chapter 2 Using Web Matrix .....**

*27*

Web Matrix Installation .....	<i>.28</i>
Microsoft Mobile Internet Toolkit Installation .....	<i>.39</i>
An Overview of Web Matrix IDE Elements .....	<i>.42</i>
Using the Workspace .....	<i>.48</i>
Connecting to the Online Component Gallery .....	<i>.52</i>
An Overview of Web Matrix File Types .....	<i>.55</i>
Summary .....	<i>.57</i>

## ***Part Two Developing Applications with Web Matrix .....****59*

### **Chapter 3 Building a Simple Web Site .....**

*61*

File Access Techniques .....	<i>.63</i>
Using the HTML Page .....	<i>.69</i>
Using a Text File .....	<i>.87</i>

Using a Style Sheet .....	89
A Simple HTML Example .....	94
Using the ASP.NET Page .....	95
Code Behind Versus Inline Code .....	99
Using WEB.CONFIG .....	99
Using GLOBAL.ASAX .....	102
Using the ASP.NET HTTP Handler Page .....	103
Summary .....	104

## **Chapter 4 Web Matrix and Security .....105**

General Requirements for Web Site Security .....	107
Using the Login Page .....	111
Using the Logout Page .....	115
Using the Config File Page .....	118
Devising a Better Password Scheme .....	120
A General Security Example .....	125
Windows-Validated Security .....	132
Summary .....	139

## **Chapter 5 Web Matrix Database Development .....141**

Configuring MSDE Using MSDE Query .....	144
Using the Web Matrix Code Builders .....	153
Using the SQL Script Page .....	174
Using the Simple Stored Procedure .....	175
Using the DataList and Repeater Controls .....	179
Creating a Data Grid .....	185
Data Reporting .....	185
Putting It All Together .....	187
Limitations of the Web Matrix Approach .....	188
Summary .....	191

<b>Chapter 6 Applications with Custom Components and Controls</b>	<b>193</b>
Working with the .NET Framework Tools	195
Developing with Existing Components	203
Developing with Existing Controls	215
Using the Class Page	232
Using an ASP.NET User Control	237
Summary	240
 <b>Chapter 7 Web Matrix and XML</b>	 <b>241</b>
Understanding XML Support in Web Matrix	242
Working with Microsoft XML Notepad	245
Using the XmlEditGrid Control	248
Using the XML File	255
Using the XSL Transform	257
Using the XML Schema	263
Summary	266
 <b>Chapter 8 Web Matrix and Web Services</b>	 <b>269</b>
An Introduction to Web Services	270
Using the XML Web Service Page	280
Using the Simple Page	286
Using the SOAP Headers Page	286
Using the Custom Class Page	301
Using the Output Caching Page	306
Summary	309
 <b>Chapter 9 Web Matrix Mobile Applications</b>	 <b>311</b>
Installing Mobile Device Emulation Support	313
Understanding Mobile Support	326
Using the Simple Mobile Page	331
Enhancing the Simple Mobile Solution Example	344
Using the Simple Mobile User Control	350
Making Your Mobile Secure Application	352
Summary	353

<b>Chapter 10 Improving Performance with Web Matrix</b>	<b>355</b>
Unmanaged Component and Control Performance	
Facts and Tips	356
Downloadable Controls That Improve User Performance	358
Working with the Performance Console	363
Understanding Output Caching	375
Summary	384
 <b>Part Three Glossary and Appendix</b>	 <b>385</b>
Glossary	387
Appendix	421
Index	427