ACKNOWLEGGMENTS	KIII
About the Author	xiı
About the Technical Reviewer	.xı
Introduction	χυi
Chapter 1 A Wireless Data Primer	1
A Bit of Wireless Data History A Bit of Technical Talk Putting It All Together: How a Cellular System Works Summary	3 7
Chapter 2 The Wireless Landscape	.11
An Explosive Growth Industry Uses of the Wireless Web The Opportunities for Wireless Development The Fundamentals of Wireless Development The Computing Capacity Gap: Handheld versus Desktop Exploring Markup Options Exploring Hardware Options What Makes the Wireless Market Unique? Summary	.12 .14 .17 .19 .25
Chapter 3 The Wireless User Interface	.35
Meeting User Expectations Designing the User Interface Creating User-Friendly Content Summary	.37 .39

Chapter 4 The Wireless World Wide Web48
Reviewing Web Standards
Summary
Chapter 5 Server-Side Content Management62
What Is Server-Side Scripting?66
Using Server-Side Scripting in Mobile Applications69
Managing Server-Side Content with Apache
Using XML for Content Management88
Summary90
Chapter 6 Server-Side
Content-Management Scripting9
Creating PHP-Powered Wireless Web Sites9
Summary
Chapter 7 eXtensible Markup Language
An XML Primer
Sharing Your XML Creation
Chapter 8 HyperText Markup Language
the Wireless Way138
Picking a Version of HTML
Marking Up the Document Heading
Marking Up the Document Body
Creating a Form
Summary

Chapter 9 Palm Powered Web Clipping Applications	169
Introducing the Web Clipping Application Architecture	!71 !77
Chapter 10 i-mode Applications	81
Looking at the i-mode Architecture	183
Chapter 11 Wireless Application Protocol	!91
Introducing the WAP Standard	194 194
Chapter 12 Wireless Markup Language	2 0 3
Why Use WML? 2 Designing WML User Interfaces 2 Creating Your First WAP Application 2 Viewing WML Content 2 Learning WML Syntax 2 Marking Up Documents with WML 2 Summary 2	205 208 209 210 213 246
Chapter 13 Dynamic Content with WMLScript2	?47
Purposes of WMLScript	248 249

Summary
Chapter 14 Content Delivery279
Pushing Web Content
Chapter 15 Custom Applications: When a Browser Won't Work
Deciding to Roll Your Own
Appendix A Resources for Wireless Web Developers
WAP Specifications
Appendix B Unified Modeling Language for Web Developers
UML for Wireless Web Developers

Appendix C Handheld Device Markup Language	335
Introducing HDML	
HDML or WML?	
Creating Your First HDML Page	
Using Browsers, Tools, and SDKs	
Understanding HDML for Web Developers	
Designing an HDML User Interface	
Summary	
Index	