

- Foreword p. v
- Preface p. vii
- Chapter 1 The XMLSPY Game p. 1
 - Got XML? p. 1
 - XML Schemas p. 2
 - XSL/XSLT p. 3
 - Simple Object Access Protocol p. 4
 - XML in Today's Software Industry p. 5
 - Web services p. 5
 - The World Wide Web p. 5
 - XML publishing and document management p. 6
 - Database and application integration p. 6
 - Microsoft .NET Framework p. 6
 - Java and XML p. 7
 - The Software Development Lifecycle Model p. 8
 - Classic software development (before XML) p. 8
 - Modern XML software development p. 8
 - The Spy Who Loved XML p. 9
 - License to XML p. 10
 - XMLSPY 5 system requirements p. 10
 - Installing XMLSPY 5 p. 11
 - Updating the XMLSPY 5 Suite p. 12
 - Summary p. 12
- Chapter 2 Editing XML Documents with XMLSPY 5 p. 15
 - Creating Your First XML Document with XMLSPY 5 p. 15
 - Elements and attributes p. 19
 - XML syntax guidelines p. 20
 - Checking well-formedness with XMLSPY p. 22
 - Declaring the XML version p. 23
 - Whitespace p. 23
 - XML comments p. 24
 - Entities p. 24
 - Character Data (CDATA) p. 25
 - Enhanced Grid View p. 26
 - Viewing XML documents in Grid view p. 26
 - How XML documents are rendered in Grid view p. 27
 - Working with Grid view p. 31
 - Converting a Data Source to an XML Document Using XMLSPY p. 36
 - Text files p. 37
 - Relational databases p. 41
 - Converting Microsoft Word documents to XML p. 44
 - Creating and Managing XMLSPY Projects p. 45
 - Adding files to a project p. 46
 - Folder types and adding folders to a project p. 47

- Setting folder properties p. 48
- Source control integration p. 49
- Other Helpful Editing Features p. 52
- Online Help p. 52
- Spell checking in XMLSPY p. 53
- Customizing the XMLSPY editing environment p. 53
- Customizing XMLSPY toolbars p. 53
- Summary p. 54
- Chapter 3 DTD Editing and Validation p. 55
 - XML Content Models p. 55
 - Instance Documents and Validation p. 57
 - Document Type Definitions p. 59
 - A DTD example p. 60
 - Defining elements p. 62
 - Defining attributes p. 66
 - Defining entities p. 70
 - Declaring a DTD p. 74
 - Validating and editing XML documents using XMLSPY p. 75
 - Editing DTDs with XMLSPY p. 80
 - Limitations of DTDs p. 84
 - Summary p. 85
- Chapter 4 Editing XML Schemas with XMLSPY p. 87
 - Viewing an XML Schema in Schema Design View p. 88
 - Viewing schema components p. 91
 - Editing XML Schemas in XMLSPY p. 93
 - Using namespaces p. 94
 - Building up the Purchase Order XML Schema p. 98
 - Configuring XML Schema Design view p. 107
 - Editing and validating XML documents using the XML Schema p. 108
 - XML Schema Syntax p. 109
 - Simple types p. 111
 - Deriving simple types p. 112
 - Global definitions p. 115
 - Complex types p. 115
 - Anonymous type definitions p. 121
 - Publishing and Documenting Your XML Schema p. 122
 - Summary p. 123
 - Chapter 5 Advanced XML Schema Development p. 125
 - Using Namespaces p. 126
 - Default namespace example p. 127
 - Schemas in multiple files p. 134
 - XML Schema Modeling p. 140
 - Compositor models p. 140
 - Groups p. 144

- Attribute groups p. 150
- Object-Oriented Schema Design p. 151
- Deriving complex types by extension p. 151
- Deriving complex types by restriction p. 154
- Redefining complex types from external schemas p. 156
- Restricting the use of complex types p. 157
- Substitution groups and abstract type definitions p. 158
- Using XML Schemas with DTDs p. 161
- Generating class files from XML Schemas p. 161
- XML Schema and Relational Databases p. 163
- Converting relational databases into XML Schemas p. 164
- Converting XML Schemas into relational databases p. 164
- Using XML Schema extensions p. 165
- Summary p. 166
- Chapter 6 Introduction to XSLT p. 169
- Introducing XSLT by Debugging It p. 169
- Analyzing the XSLT debugging process p. 172
- Moving On with XSLT p. 173
- Doing a simple node selection p. 174
- Iterating within an XSLT document p. 176
- Finding the Intended Content p. 183
- Using the XMLSPY Evaluate XPath functionality p. 184
- XPath basics p. 185
- Taking a Close Look at Other XSLT Statements p. 193
- Repetition with `xsl:for-each` p. 194
- Conditional processing with an `xsl:if` p. 197
- Conditional processing with an `xsl:choose` p. 198
- The Sort feature p. 200
- Text, variables, and data p. 203
- Summary p. 210
- Chapter 7 Advanced XSLT p. 213
- Functions, Variables, and Imports p. 213
- Creating variables p. 214
- Applying templates p. 218
- Calling templates p. 220
- Using modes p. 222
- Importing XSLT documents p. 224
- Including XSLT documents p. 226
- Functions and XSLT p. 228
- XSLT data types and conversion p. 229
- Node-set functions p. 229
- String functions p. 230
- Boolean functions p. 232
- Number functions p. 232

- Additional XSLT functions p. 234
- XSLT Tips p. 235
- Generating content in specialized ways p. 235
- Parsing keys in attributes p. 236
- Counting attribute items p. 238
- Generating child nodes p. 238
- Accessing large amounts of data quickly p. 239
- Finding the parent path p. 240
- Getting more help p. 240
- Building Web Sites with Authentic and Cocoon p. 241
- An introduction to Cocoon and Authentic p. 242
- The application p. 242
- The client p. 245
- Summary p. 249
- Chapter 8 Introduction to SOAP and WSDL p. 251
- SOAP Theory p. 251
- The SOAP specification in a nutshell p. 252
- The details of the SOAP specification p. 253
- SOAP bindings and protocols p. 259
- The WSDL Specification p. 259
- WSDL basics p. 260
- Illustrated WSDL p. 260
- WSDL and bindings p. 268
- XMLSPY WSDL Editing p. 269
- XMLSPY SOAP Debugging p. 273
- Summary p. 276
- Chapter 9 Altova XML Developer Certification p. 277
- Altova XMLSPY--XML Developer Certification Overview p. 277
- Subjects covered p. 278
- Benefits of certification p. 278
- Availability p. 279
- How to register p. 279
- Sample Questions p. 279
- XML basics p. 279
- Document Type Definitions p. 281
- XML Schema p. 282
- XSL/XSLT p. 285
- XPath p. 285
- WSDL p. 286
- Tips and Strategies p. 287
- Summary p. 288
- Appendix A XMLSPY and Related Technical Resources p. 289
- Appendix B Popular XML Standards and References p. 299
- Appendix C Regular Expression Primer p. 309

- Appendix D What's on the CD-ROM p. 315
- Index p. 319