

Foreword by Chris Sells



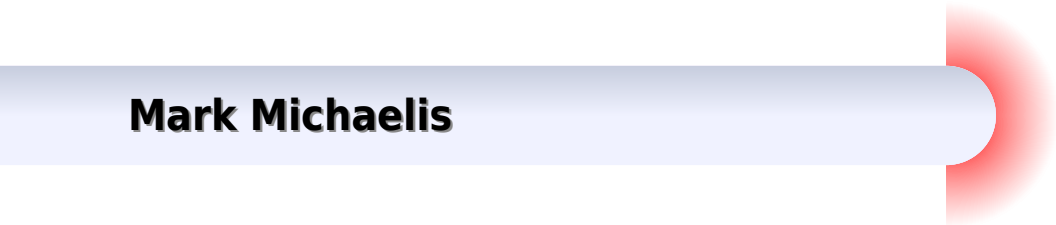
Pragmatic ADO.NET

Data Access for the Internet World

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Series

Shawn Wildermuth

Pragmatic ADO.NET Data Access For The Internet World



Mark Michaelis

Pragmatic ADO Net Data Access For The Internet World:

Pragmatic ADO.NET Shawn Wildermuth,2003 Developers need a way to interact with all data platforms in a uniform way and Microsoft has attempted time and again to meet this need with its Universal Data Access strategy In developing ADO NET Microsoft has made their additions of support for XML and disconnected data sets easier to use This tutorial will guide the reader through ADO NET from the top down showing readers the hows and whys of using ADO NET with lots of examples they can mold into their own projects right away It is intended to be an introduction to ADO NET for developers with some knowledge of data access While it will show readers how ADO NET follows on its predecessors it will be written to avoid repeating any remedial instruction in databases and storage theory Pragmatic ADO.NET Shawn Wildermuth,2003 Developers need a way to interact with all data platforms in a uniform way and Microsoft has attempted time and again to meet this need with its Universal Data Access strategy In developing ADO NET Microsoft has made their additions of support for XML and disconnected data sets easier to use This tutorial will guide the reader through ADO NET from the top down showing readers the hows and whys of using ADO NET with lots of examples they can mold into their own projects right away It is intended to be an introduction to ADO NET for developers with some knowledge of data access While it will show readers how ADO NET follows on its predecessors it will be written to avoid repeating any remedial instruction in databases and storage theory *Database Access with Visual Basic .NET* Jeffrey P. McManus,Jackie Goldstein,2003 Whether you are using WinForms WebForms or Web Services Database Access with Visual Basic NET Third Edition is your practical guide to developing database applications with Visual Basic NET and ADO NET The authors provide real world solutions to the data access issues Visual Basic NET developers face every day and share their secrets for becoming a more effective database programmer using NET technologies The book begins by reviewing the fundamentals of database development Structured Query Language SQL and Microsoft SQL Server tm 2000 It then examines how to use the major ADO NET objects to access data stored in relational databases Through detailed examples readers learn how to use properties and methods as well as more advanced features and techniques Extensive code listings in Visual Basic NET illustrate each concept while business cases apply concepts to real world applications The final chapters provide a solid examination of how XML and ASP NET integrate with ADO NET to create various types of database applications A companion Web site provides the code used in the book s myriad examples all of which is compatible with Visual Basic NET 2003 Key topic coverage includes SQL queries and commands Using SQL Server 2000 ADO NET objects Advanced ADO NET features and techniques SQL Server and OLEDB as well as ODBC NET Data Providers Using Visual Studio NET Data Projects for managing SQL Scripts Integrating XML with ADO NET Developing Web based database applications with ASP NET Web services and middle tier objects Database Access with Visual Basic NET Third Edition equips VB developers with the knowledge and skills needed to build a powerful new generation of database applications in less time using NET technologies 0672323435B01092003 **A First Look at ADO.**

NET and System. XML V. 2. 0 Alex Homer,David Sussman,Mark Fussell,2003 Version 2 0 of the NET Framework will offer powerful enhancements to ADO NET that will give application and service developers unprecedented control over their data In A First Look at ADO NET and System Xml v 2 0 Microsoft s lead program manager on XML technologies joins with two leading NET and XML experts to present a comprehensive preview of tomorrow s ADO NET and System Xml classes Drawing on the first NET Framework 2 0 Technology Preview Release the authors introduce powerful new techniques for simplifying development enhancing flexibility and leveraging NET s new support for emerging XML standards They also preview important new synergies between NET Framework 2 0 XML and the next version of SQL Server code named Yukon This book s detailed coverage includes Clear explanations of Microsoft s data access intentions and directions so you ll be ready when NET 2 0 arrives A brief overview of ObjectSpaces the exciting new technology for using objects that represent and hold their own dataMajor improvements in bulk loading batch execution and paging Support for truly asynchronous connection and command operationsIn process server side cursors for programmat

ASP.NET 2.0 Illustrated Alex Homer,Dave Sussman,2006-06-06 This book is a phenomenal start for someone new to ASP NET as well as a complete guide to the new features of version 2 0 for programmers familiar with an earlier version The beginning chapters detail concepts using a hypothetical company examining the myriad sorts of requests and situations often requested by clients The authors deal with these in an eloquent realistic manner They have clearly worked in the industry and have faced real world challenges that programmers encounter daily The content covers everything from the most basic tasks to the most complex and is a comprehensive collection of information on ASP NET 2 0 Every topic is well referenced for additional information but contains clear examples that work The content is technical but the clear writing makes it easy to understand Difficult concepts are explained in such a way that this book will quickly become your favorite reference for ASP NET Ronda Pederson consultant Microsoft MVP Visual Developer ASP ASP NET As to be expected from two of today s leading technical authors this book is a cracking guide to getting the most from the ASP 2 0 Framework Detailed chapters concise yet practical examples and clear explanation provide the grounding and support necessary to leverage the new features that ASP 2 0 brings to the table all explained with a logical no nonsense approach This book will be borrowed by every developer you work with so guard it wisely John Timney Microsoft MVP senior Web services consultant British Telecom This book will absolutely change the way you view ASP NET technology Read it and your existing Web sites will suddenly appear to be underperforming Chris Carpenter senior software engineer L3 Communications Inc The authors have worked closely with the ASP NET team at Microsoft to make sure that this book is authoritative accurate and informative Anyone using ASP NET will find a wealth of useful information on ASP NET 2 0 Scott Guthrie general manager NET Developer Platform Microsoft Corporation Developers moving to ASP NET 2 0 the breakthrough Web development environment from Microsoft will want to learn how to take full advantage of the new features that make this the most productive and powerful Web development

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Windows Forms 2.0 Programming Chris Sells, Michael Weinhardt, 2006-05-16 Windows Forms 2.0 Programming is the successor to the highly praised Windows Forms Programming in C#. This edition has been significantly updated to amalgamate the sheer mass of new and improved support that is encompassed by Windows Forms 2.0 the .NET Framework 2.0 and Visual Studio 2005. This is the one book developers need in order to learn how to build and deploy leading edge Windows Forms 2.0 applications. Readers will gain a deep understanding from Sells and Weinhardt's practical well balanced approach to the subject and clear code samples. Windows Forms 2.0 fundamentals including forms dialogs data validation help controls components and rendering Static and dynamic layout snap lines HTML style flow and table layout automatic resizing and automatic cross DPI scaling Office 2003 style tool strip control coverage including dynamic layout and custom rendering Design time integration with the Visual Studio 2005 Properties Window and Smart Tags Resource management strongly typed resources and internationalization considerations Strongly typed application and user settings SDI MDI Single Instancing Multiple Instance SDI Single Instance MDI database centric and document centric applications Databinding data source management drag and drop databinding the BindingSource the BindingNavigator and applied databinding Events delegates multithreaded UIs long running operations simplified multithreading with the BackgroundWorker and asynchronous web service calls ClickOnce application development publishing shell integration and partial trust security Best practices for developers transitioning from Windows Forms 1.0 and MFC

Essential ASP.NET with Examples in

Visual Basic .NET Fritz Onion, 2003 Essential ASP NET with Examples in Visual Basic NET is the Visual Basic programmer s definitive reference for ASP NET through version 1.1. Intended for students with advanced programming experience this book provides them with the information needed to fully understand the technology and is a clear guide to using ASP NET to build robust and well architected Web applications. This book begins with a discussion of the rationale behind the design of ASP NET and an introduction to how it builds on top of the .NET framework. Subsequent chapters explore the host of new features in ASP NET including the server side compilation model, code behind classes, server side controls, form validation, the data binding model, and custom control development. Throughout the book, working examples illustrate best practices for building Web based applications in VB NET.

NET Web Services Keith Ballinger, 2003 Celebrate Thanksgiving with Annie and Snowball in this Level 2 Ready to Read story from the Theodor Seuss Geisel Award winning creators of Henry and Mudge. Annie loves fall and she especially loves Thanksgiving. There is a big table at Annie s house and she wants lots of people around it for a yummy dinner. But Annie lives with just her dad and her bunny Snowball. She doesn t have a big family of her own. Who can she invite to share Thanksgiving?

The Visual Basic .Net Programming Language Paul Vick, 2004 Praise for *The Visual Basic .NET Programming Language*: There is no substitute to getting the inside scoop directly from a book written by the father of a programming language such as Bjarne Stroustrup for C, James Gosling for Java, and Alan Cooper for the original version of Visual Basic. Paul Vick, the father of Visual Basic .NET, explains the whys and hows of this exciting new language better than any other human being on the planet. Ted Pattison, Barracuda .NET. *The Visual Basic .NET Programming Language* includes nuances that in all my use and study of VB .NET I haven t seen discussed anywhere else. For example, I learned that you can use the Imports statement to import an Enum name so that you needn t refer to the enum in all its uses. In addition, I learned that the dictionary lookup operator works in VB .NET. I thought this one had been retired. In any case, if you re searching for a book that covers all the language syntax issues and more, Paul Vick s book is a great place to look. Ken Getz, Senior Consultant, MCW Technologies LLC. This book is an excellent stepping stone for Visual Basic developers wanting to get their toes wet in the .NET waters. Paul s presentation of the core topics all VB developers should tackle first is clear, concise, and unlike other books in the genre, does not overwhelm the reader. The VB6 vs VB .NET task oriented approach guides you through the new language and OO features and then moves to basic threading and other CLR topics as well as to the key points in the COM to .NET transition in a well thought out sequence. If you ve been holding out on VB .NET, this is a great book to get you started. Klaus H. Probst, Sr. Consultant, Architect, Spherion Technology Services, Microsoft MVP. There is no shortage of VB .NET books in the market, but this is the only book straight from the creators. While that is an excellent reason in itself for reading this book, it is the brevity and clarity of the content along with the examples that makes this book a must have. Amit Kalani, Developer. Overall, I liked this book and it definitely benefited me. I learned new things I didn t see anywhere else and I ll certainly put these to good use in the future. Paul s book makes a great reference manual for

intermediate and advanced VB NET developers Philip Williams System Engineer LDC Direct This book contains a lot of great information I have seen nowhere else and addresses issues that other books do not Ethan Roberts NET Architect General Casualty This book is full of useful information and provides a good historical background for the Visual Basic NET Language Dave Vitter Technical Lead Developer and author of Designing Visual Basic NET Applications Coriolis 2001 The definitive Microsoft Visual Basic NET reference authored by Visual Basic NET s lead architect If you want to leverage all of VB NET s immense power get this book It s the definitive VB NET reference and tutorial and the first Visual Basic book written by one of VB NET s lead architects No other book offers this much behind the scenes insight about why VB NET works the way it does how it evolved and how you can make the most of it The Visual Basic NET Programming Language is a superb learning tool for new VB NET programmers and a must have reference for developers at every level Paul Vick presents precise language descriptions essential reference materials practical insights and hundreds of code samples straight from Microsoft s VB NET design team Just some of the features include A history and overview of Visual Basic s evolution into VB NET Complete coverage of the language syntax Transitioning from COM to the CLR and leveraging the NET platform Runtime functions Taking full advantage of VB NET s object oriented features Notes on style design and compatibility throughout the text Notes for the advanced user throughout the text Vick exposes VB NET s most powerful capabilities with unprecedented depth and clarity and packs this book with information you simply won t find anywhere else Whether you re an experienced VB NET programmer upgrading from earlier versions of Visual Basic or coming to Visual Basic and NET for the first time you ll find this book indispensable

NET Framework Standard Library Annotated Reference Brad Abrams,2004 Edited by a lead program manager on Microsoft s NET Framework team this definitive book CD set utilizes extensive annotations and code samples from the creators of the technology to move beyond the online documentation and provide NET developers with a dictionary style reference to the most used parts of the Framework The book also covers the subset of the ISO CLI Standards including the Base Class Library and the Extended Numeric Library

Windows Forms Programming in Visual Basic .NET Chris Sells,Justin Gehtland,2004 The WinForms team at Microsoft praises Chris as a definitive authority Microsoft has named Chris one of eight Software Legends The content and structure are based on years of experience both building apps with WinForms as well as teaching other developers about WinForms Alan Cooper the father of Visual Basic has provided the foreword for the book

.NET Internationalization Guy Smith-Ferrier,2006-08-07 As business becomes more and more global software developers increasingly need to make applications multi lingual and culturally aware The NET Framework may well have the most comprehensive support for internationalization and globalization of any development platform to date and NET Internationalization teaches developers how to unlock and utilize that support Experienced international application developer Guy Smith Ferrier covers the internationalization of both Windows Forms and ASP NET applications using both Versions 1 1 and 2 0 of the NET Framework Smith Ferrier not only teaches you the

best ways to take advantage of the globalization and internationalization features built in to the .NET Framework and Visual Studio he also provides original code to take globalized applications to the next level of international utility and maintainability Key topics include An introduction to the internationalization process and how localization and globalization are supported in Windows and the .NET Framework The use of resource managers cultures resource DLLs and localized strings images and files including strongly typed resources Detailed coverage of form localization in Windows Forms and Web Forms Dealing with regional cultures and their casing collation and calendars Managing right to left Middle Eastern text and pictographic East Asian languages How to use the book's original resource administration utilities How to translate resources with machine translation How to create custom cultures and integrate them with the .NET Framework 2.0 and Visual Studio 2005 How resource managers work and how to write custom resource managers including a resource manager that uses a database How to test your internationalization with FxCop using new and existing globalization rules How to effectively include the translator in the internationalization process Whether you are a developer architect or manager if you are involved in international applications with the .NET Framework this is the one book you need to read and understand before you start development Guy Smith Ferrier is an author developer trainer and speaker with more than 20 years of software engineering experience He has internationalized applications in four development platforms including the .NET Framework A frequent conference speaker Guy is the author of C# and .NET courseware and has written numerous articles You can read his blog at www.guysmithferrier.com

The C# Programming Language Anders Hejlsberg, Scott Wiltamuth, Peter Golde, 2004 bull Anders Hejlsberg is the architect of C# and Scott Wiltamuth is the author of the C# specification bull The book will have a thorough print index a searchable online index and helpful navigation tools bull Fully up to date for C# version 1.1 and Visual Studio 2003 it also has extensive coverage of new features being added to the next version of C#

Essential Windows Communication Foundation (WCF) Richard Crane, Steve Resnick, Chris Bowen, 2008-02-11 Whether this is the first time or the fifty first time you're using WCF you'll learn something new by reading this book Nicholas Allen Program Manager Web Services Microsoft Windows Communication Foundation WCF is the easiest way to produce and consume Web services on the Microsoft platform With .NET 3.5 WCF has been extensively revamped and Visual Studio 2008 gives developers powerful new tools for utilizing it Essential Windows Communication Foundation shows developers exactly how to make the most of WCF with .NET 3.5 and Visual Studio 2008 Drawing on extensive experience working with early adopters three Microsoft insiders systematically address the topics developers ask about WCF The authors approach each subject with practical advice and present best practices tips and tricks for solving problems Throughout you'll find detailed explanations solutions for the pain points of WCF development and an extensive collection of reusable code examples Coverage includes Using WCF contracts to define complex structures and interfaces Understanding WCF's channel stacks and channel model architecture Configuring the WCF communication stack to use only

the protocols you need Using standard and custom service behaviors to manage concurrency instances transactions and more Serializing data from NET types to XML Infosets and representing Infosets on the wire Hosting WCF services via IIS managed NET applications and Windows Activation Services WCF security in depth authentication transport and message level security and Internet and intranet scenarios Improving reliability exception handling diagnostics and more Workflow services new integration points between WCF 3.5 and Windows Workflow Foundation Building client to client peer network based applications Utilizing WCF for non SOAP Web services AJAX and JSON examples and NET 3.5 hosting classes

Microsoft's Steve Resnick Richard Crane and Chris Bowen are technology experts at the Microsoft Technology Center in Boston They specialize in helping customers improve their technical agility by applying WCF and related technologies Resnick has specialized in Internet technologies and distributed computing at Microsoft since 1995 He is a frequent speaker at Microsoft events and is now technology director for the U.S. Microsoft Technology Centers Crane has more than 15 years of experience in senior software development roles He specializes in large scale Web sites distributed computing transactional systems and performance analysis Bowen has been an architect and developer for more than 15 years at companies such as Monster.com and Staples and is co author of Professional Visual Studio 2005 Team System Foreword xxv Preface xxvii Chapter 1 Basics 1 Chapter 2 Contracts 33 Chapter 3 Channels 91 Chapter 4 Bindings 111 Chapter 5 Behaviors 181 Chapter 6 Serialization and Encoding 241 Chapter 7 Hosting 287 Chapter 8 Security 315 Chapter 9 Diagnostics 375 Chapter 10 Exception Handling 403 Chapter 11 Workflow Services 423 Chapter 12 Peer Networking 459 Chapter 13 Programmable Web 503 Appendix Advanced Topics 537 Index 553

Visual Studio Tools for Office Eric Carter, Eric Lippert, 2006-04-26 Visual Studio Tools for Office is both the first and the definitive book on VSTO 2005 programming written by the inventors of the technology VSTO is a set of tools that allows professional developers to use the full power of Visual Studio .NET and the .NET Framework to put code behind Excel 2003 Word 2003 Outlook 2003 and InfoPath 2003 VSTO provides functionality never before available to the Office developer data binding and data view separation design time views of Excel and Word documents inside Visual Studio rich support for Windows Forms controls in a document the ability to create custom Office task panes server side programming support against Office and much more Carter and Lippert cover their subject matter with deft insight into the needs of .NET developers learning VSTO This book Explains the architecture of Microsoft Office programming and introduces the object models Teaches the three basic patterns of Office solutions Office automation executables Office add-ins and code behind a document Explores the ways of customizing Excel Word Outlook and InfoPath and plumbs the depths of programming with their events and object models Introduces the VSTO programming model Teaches how to use Windows Forms in VSTO and how to work with the Actions Pane Delves into VSTO data programming and server data scenarios Explores .NET code security and VSTO deployment

Advanced ASP.NET AJAX Server Controls For .NET Framework 3.5 Adam Calderon, Joel Rumerman, 2008-06-26 ASP.NET AJAX server controls can

encapsulate even the most powerful AJAX functionality helping you build more elegant maintainable and scalable applications This is the first comprehensive code rich guide to custom ASP NET AJAX server controls for experienced ASP NET developers Unlike other books on ASP NET AJAX this book focuses solely on server control development and reflects the significant improvements in ASP NET 3 5 AJAX and the latest Visual Studio 2008 features for streamlining AJAX development Adam Calderon and Joel Rumerman first review the core Microsoft AJAX Library and JavaScript techniques needed to support a rich client side experience Next they build upon these techniques showing how to create distributable AJAX enabled controls that include rich browser independent JavaScript client side functionality The authors thoroughly explain both the JavaScript and NET aspects of control development and how these two distinct environments come together to provide a foundation for building a rich user experience using ASP NET AJAX Create object oriented cross browser JavaScript that supports NET style classes interfaces inheritance and method overloading Work with components behaviors and controls and learn how they relate to DOM elements Learn Sys Application and the part it plays in object creation initialization and events in the Microsoft AJAX Library Build Extender and Script controls that provide integrated script generation for their corresponding client side counterparts Localize ASP NET AJAX controls including client script Discover ASP NET AJAX client and server communication architecture and the new support for Windows Communication Foundation WCF Understand ASP NET AJAX Application Services Create custom Application Services Design controls for a partial postback environment Understand the AJAX Control Toolkit architecture and the many features it provides Develop highly interactive controls using the AJAX Control Toolkit Understand AJAX Control Toolkit architecture and build controls that utilize the toolkit

Graphics Programming with GDI+ Mahesh Chand,2004 All Windows programmers developing applications that deal with graphics monitors or printers need to use GDI There is little documentation available on GDI There are only two books on the market and they are both introductory The author uses real world examples and extensive sample code

Essential C# 2.0 Mark Michaelis,2006-07-13 A new edition of this title is available ISBN 10 0321533925 ISBN 13 9780321533920 Essential C 2 0 pulls off a very difficult task The early chapters are comprehensible by beginning developers while the later chapters pull no punches and provide the experienced developer with the detailed information they need to make the most of C 2 0 Starting with the first chapter Mark has successfully interwoven tidbits of information useful to even the most advanced developer while keeping the book approachable Chris Kinsman chief architect Vertafore Microsoft Regional Director How refreshing This book deals with C thoroughly rather than skimming over the whole NET framework It is valuable to newcomers and professionals alike Jon Skeet C MVP Essential C 2 0 is a one stop shop for an experienced programmer looking to ramp up on one of the hottest languages around today Mark delivers an intelligent and detailed tour of C providing newcomers to the language with a solid foundation of skill on which to build their next generation of applications Stephen Toub technical editor MSDN Magazine This book provides complete up to date coverage

of all the programming constructs in C Masterfully organized it allows beginning programmers to get on board and leads more experienced programmers into the world of structured programming Because of its unwavering focus on the essential programming constructs of C such as generics delegates and much more this book is indispensable For programmers who want to solve their day to day programming issues using the latest features this modern programming language has to offer this book is indispensable Narendra Poflee IT integration specialist Itron Inc Essential C 2 0 is an ideal book for all programmers interested in C If you are a beginner you will quickly learn the basics of C programming and become familiar with the concepts The flow of the text is easy to follow and does a great job of not repeating concepts that have already been covered For the experienced programmer this book has priceless nuggets embedded within its pages making it a great read for programmers who are already familiar with C This will be a book that I will keep next to my computer for years to come Michael Stokesbary software engineer Itron Inc Essential C 2 0 is a clear concise guide to C including the features new to C 2 0 The book clearly presents material for beginners and experts and provides contrasts and comparisons between C and other languages The C language is covered comprehensively and each important construct is illustrated with succinct code examples Complete code examples are available online Mark Michaelis has organized the material for quick access Graphical mind maps at the beginning of each chapter show what material is covered and how each topic relates to the whole Following the C introduction readers will learn about C primitive data types value types reference types type conversions and arrays Operators and control flow loops conditional logic and sequential programming Methods parameters exception handling and structured programming Classes inheritance structures interfaces and object oriented programming Well formed types operator overloading namespaces and garbage collection Generics collections and iterators Reflection attributes and declarative programming Threading synchronization and multi threaded patterns Interoperability and unsafe code The Common Language Infrastructure that underlies C C 2 0 has a multitude of new features that make the language even more powerful productive and efficient These new features are thoroughly covered in this book A separate appendix on C 2 0 topics helps readers quickly find new features of the language Whether you re just starting out as a programmer are an experienced developer looking to learn C or are a seasoned C programmer interested in learning the new features of C 2 0 Essential C 2 0 gives you just what you need to quickly get up and running writing C applications

Data Binding with Windows Forms 2.0 Brian Noyes, 2006-01-12 Data binding is the most important part of many business applications and one of the most difficult things to understand Data Binding with Windows Forms 2 0 is the first book to focus on this crucial area of development It will quickly get you up to speed on binding data sources to Windows Forms components The book contains clear examples in C that work with SQL Server 2000 and SQL Server 2005 Visual Basic NET examples are available on the book s Web site Brian Noyes leading consultant and speaker on NET programming teaches you both the theory and practice of data binding and provides numerous samples ready to run in Visual Studio 2005 From his in depth coverage you ll learn

how to Use Visual Studio 2005 to generate a data bound application from a database Use the new Visual Studio 2005 typed data set designer and how and why to use typed data sets and typed data adapters Perform simple and complex binding of data to controls and how to use the NET 2 0 BindingSource Use the Binding object for simple binding with automatic formatting and how to handle binding events Generate bound controls with the Visual Studio Designer and how to use Data Sources Present data with the new DataGridView control and how to implement advanced features of the DataGridView Implement custom data bound controls in Windows Forms Create custom business objects and collections that are suitable for use in data binding Implement validation and error handling at the Windows Forms and data binding levels Implement data binding with ASP NET 2 0 and the upcoming Windows Presentation Foundation Avalon technologies *Building Applications and Components with Visual Basic .NET* Ted Pattison, Joe Hummel, 2004 Ted Pattison is a revered Visual Basic developer trainer and author Addresses the main stumbling point keeping experienced Visual Basic 6 developers from migrating to Visual Basic NET Provides not only a deep conceptual understanding of object oriented theory from a Visual Basic perspective but also a practical guide to using modern OOP concepts effectively

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Pragmatic Ado Net Data Access For The Internet World Introduction

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