

## Adonet And Ado Exampl es And Best Practices For Vb Programmers Second Edition

ADO.NET is Microsoft's latest data access technology, and, as an integral component of the .NET framework, is far more than simply an upgrade of an existing technology. ADO.NET is a large set of .NET classes that enable us to interact with data sources, manipulate data, and communicate with other applications and Web Services in entirely new ways. This book provides a wealth of information about the ADO.NET. We describe the features and how to use them, as well as providing advice and explanation that will enable you to use ADO.NET effectively. The code examples are concise, and demonstrate how to use a specific techniques rather than how to build entire applications.

Calling all VB .NET programmers and web developers! This highly anticipated book provides thorough instruction for using ADO.NET, supported with numerous relevant code examples and extensive technical information. So whether you're developing web applications using ASP.NET, Windows Forms applications, or XML Web Services, you'll become adept at maximizing .NET's data access technology.Chapter 1 - An Overview of ADO.NETChapter 2 - Using Data ReadersChapter 3 - DataSetsChapter 4 - Using Data AdaptersChapter 5 - Typed Datasets and Dataset SchemasChapter 6 - XML and the DataSetChapter 7 - Constraints, Relations, and ViewsChapter 8 - TransactionsChapter 9 - MappingChapter 10 - Making a Data Services ComponentChapter 11 - ADO.NET and Web ServicesChapter 12 - SQL Server Native XML SupportChapter 13 - Performance and SecurityChapter 14 - Integration and MigrationChapter 15 - Creating a Custom .NET Data Provider

A development guide to ADO.NET provides a tutorial, accompanied by real-world examples, and shows how to use ADO.NET across a variety of data platforms.

In building client-server or three-tier applications, desktop-rich clients, or Web applications, at some point the application will likely need to be able to access a database. ADO.NET is the technology within Microsoft's new .NET architecture for database access. This practical guide to ADO.NET begins with the basics and covers all of the pieces of ADO.NET. In addition to providing information on how to accomplish different tasks, it also explains the appropriate approaches for different types of applications. Some of these topics include basic database access using SQL Server or OLE DB data providers, using the DataSet, accessing data using XML, remoting, and database schema information.

Database Programming with Visual Basic .NET and ADO .NET  
Building Data-Centric .Net Applications with Programming Entity Framework  
Professional ASP.NET 2.0 Databases

ADO.NET and ADO Examples and Best Practices for VB Programmers  
Murach's VB.NET Database Programming with ADO.NET

Now you can uncover the secrets behind accessing and retrieving data from a wide range of data sources such as SQL Server and XML sources. This book walks you through the array of ADO.NET 2.0 features and clearly shows you how they can be used to develop database-driven web applications in ASP.NET. You'll first gain an in-depth understanding of the data source controls that enable data binding in the ASP.NET platform. Next you'll uncover the advanced features of ASP.NET, including site navigation, implementing sorting and paging, and editing data in templates. You'll then focus on designing transactions in ADO.NET 2.0, displaying data, and utilizing SQL Server 2005 XML. Throughout the chapters, you'll find examples and source code (with ASP.NET examples written in C#) that you can integrate into your applications. This will enable you to leverage ADO.NET and ASP.NET features so you can easily create a scalable N-Tier web site. Some of the topics covered include: ASP.NET 2.0 Data Controls Data Binding with the SqlDataSource Control, XML Data, and Objects Selecting, Updating, Deleting Records Programmatically Creating and Adding Controls XSL Transformations with XmlDataSource Control Using Generics with the ObjectDataSource Control ASP.NET 2.0 Site Navigation including Implementing Breadcrumbs and Binding to Other Controls Displaying and Editing Data Using Templates GridView Sorting and Paging Advanced Data Source and Data-Bound Controls including Master/Detail Display, Displaying Images from a Database, and Using Themes with Data Bound Controls Transactions in .NET and Interoperability between System.Transactions and System.EnterpriseServices Advanced ADO.NET for ASP.NET Data Display including DataSet Object, ADO.NET 2.0 DataTable, and Provider-Independent Data Access Code Accessing Data from SQL Server 2005 including CLR in SQL Server 2005, New XML Features in SQL Server 2005, and Working with XML Data-Typed Columns from ADO.NET N-Tier Architecture with ASP.NET 2.0 and SQL Server 2005 Best Practices for Creating ASP.NET Web Sites including Implementation of CLR Stored Procedures and Implementation of Layers

Getting data across platforms and formats is a cornerstone of present-day applications development. ADO: ActiveX Data Objects is both an introduction and a complete reference to ADO (ActiveX Data Objects), Microsoft's universal data access solution. You'll learn how to easily access data in multiple formats--such as email messages, Access databases, Word documents, and SQL databases--even on different platforms, without spending extra time learning every last detail about each format.Author Jason Roff shows by example how to use ADO with your programming language of choice to save programming time, so you can concentrate on the content and quality of your application rather than the nitty-gritty of specific data formats.ADO: ActiveX Data Objects includes: Chapters dedicated to the Connection, Recordset, Field, and Command objects and the Properties collection A complete, detailed reference listing every ADO object, method, property, and event, in convenient alphabetical order Chapters on ADO architecture, data shaping, the ADO Event Model An appendix containing enumeration tables used by ADO objects and collections, listed alphabetically Brief introductions to RDS, ADO.NET, and SQL ADO: ActiveX Data Objects is a versatile one-stop guide to both the theory and practice of programming with ADO through Version 2.6. The thorough reference section and topic-specific chapters will help you find quick answers about the details of objects, collections, methods, and properties of ADO. And the abundance of practical code examples will give you a good grasp of how to use ADO's strong points most effectively.

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

This book teaches Visual Basic programming with a focus on the most required skills in the industry. It enables readers to develop awareness of the concepts behind Visual Basic through hands-on teaching. Each chapter presents a short theory basis of the topic to be covered and then involves readers directly into a guided Visual Basic project building activity.Extensive coverage of material current in the industry provides readers with industry-crucial material including Internet programming and incorporating database programming into programming applications. Website provides updated examples and revisions as new versions of Visual Basic and patches are released. CD-ROM provides readers with sample programs, exercises for reinforcement and practice, and detailed solutions to the programming examples in the text. Hands-on programming approach trains readers to effectively code in Visual Basic. Programming hints provided throughout highlight for readers those important programming ideas that improve the way readers write and understand code.For Visual Basic programmers and trainers.

In C# and VB

From Novice to Pro, Visual Basic .NET Edition

ADO.NET Examples and Best Practices for C# Programmers

Beginning ASP.NET Databases Using VB.NET

ADO.NET in a Nutshell

Professional ASP.NET 3.5 SP1 In C# and VB ASP.NET 3.5 brings the power of Visual Studio 2008 along with the multitude of language improvements in C# 2008 and Visual Basic 2008 as well as powerful new technology called LINQ, together with the ASP.NET 2.0 Framework you already know and love. Packed with valuable coverage of ASP.NET 3.5 SP1, this essential resource offers both C# and VB examples throughout the book, and shares new and updated content on the ADO.NET Entity Framework, ADO.NET Dynamic Data, and ADO.NET Data Services. While ASP.NET 3.5 boasts server controls like the ListView and the incredibly flexible GridView, it also includes advancements in AJAX technology combined with JavaScript debugging features in Visual Studio 2008. With this book, a stellar author team covers the new controls in the AJAX toolbox, the back button history, and script combining, and they also examine the new capabilities of WCF including changes to DataContractSerializer. In addition, the accompanying CD-ROM features the entire book in PDF format. What you will learn from this book The concepts underlying the server control and its pivotal role in ASP.NET development How to create templated ASP.NET pages using the master page feature How to work with data from enterprise databases including SQL Server Ways to debug, package, and deploy ASP.NET applications, monitor their health and performance, and handle errors How to retrieve, update, and delete data quickly and logically using LINQ with side-by-side examples comparing LINQ to existing techniques Ways to localize your web site in multiple languages for a world-wide audience Methods for adding AJAX capabilities to your ASP.NET applications The many benefits of the new data access additions Ways to use and extend the Provider Model for accessing data stores, processes, and more What freeware tools you need in Scott Hanselman's ASP.NET Ultimate Developer Tools appendix Who this book is for This book is for programmers and developers who are looking to make the transition to ASP.NET 3.5 SP1 with Visual Studio 2008 and either C# 3.0 (2008) or Visual Basic 9 (2008). CD-ROM includes the full book in PDF format and a selection of 7 Wrox Blox mini e-books including: Internet Explorer 8 and Its Impact on Your ASP.NET Web Sites Jumping from ASP.NET to Silverlight 2 Leverage LINQ in ASP.NET 3.5 Projects Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

The author shows developers with little or no ADO.NET background how to apply ADO.NET fast to real world scenarios by giving examples and code that really works.

A Programmer's Guide to ADO.NET in C# begins by taking readers through a fast-paced overview of C# and then delves into ADO.NET. Why should C# programmers use it instead of the existing technologies? What new functionality does it offer? The chapters that follow go through the details on each of the major Data Providers of the .NET platform (OleDb, SQL Server, and ODBC) that enable you to read and write data to the targeted database. These chapters also serve as a good reference for looking up detailed methods and properties for these data provider classes. Authors Chand and Gold also show C# programmers how to work with XML classes and how to integrate XML into the ADO.NET architecture. The book provides programmers with handy ideas about taking advantage of the VS.NET IDE and how you can tie your data to the myriad of powerful controls including the multi-faceted Data Grid. Finally, it goes through creating a guest book application for the Web so you can see how all the pieces fit together.

ADO, or ActiveX Data Objects, is Microsoft's key technology for data access in client/server and Web applications. This book covers both ADO and ADO.NET in one volume, allowing a programmer to select the appropriate technology for their database application. The material is good for not only VB.NET and C# programmers but also those using VBA, Access, and older versions of the Microsoft programming tools. It includes numerous examples showing various combinations of servers and clients, including SQL Server, Jet, and Oracle on the server side, and VB, Access, ASP.NET, and VB.NET on the client side. The book also covers more advanced topics, such as disconnected recordsets, XML integration, schema modification, and multidimensional aggregation. The companion CD-ROM includes all the sample code and applications from the book, plus a collection of third-party ADO utilities. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Core Reference

ADO.NET

A Programmer's Guide to ADO.NET in C#

Essential ADO.NET

Creating Data-Driven Solutions

*A great resource for developers seeking to build databases and applications that access data in Oracle and SQL Server databases and other data sources, this handbook has comprehensive coverage that reveals all the efficiencies of the ADO.NET framework. Includes exclusive coverage with code examples in both VB.NET and C#.*

*The Student's Essential Guide to .NET provides a clear and simple overview of Microsoft's .NET technologies. It is aimed at second and third year undergraduate students and postgraduate students on Computing or Computer Science courses who are required to look at a modern operating system, (Microsoft Windows 9x, NT 2000 or XP) and to design and code simple or even not so simple examples. The approach is based upon the student's learning the technology of .NET through examples using the supported languages C#, VB and C++. The examples are based on fun, familiar games, and students are encouraged to review reference material to refine their skills on key aspects of the architecture. Review questions and worked examples enhance the learning process and the material is supported by the author's website, which contains extensive ancillary material. \* Student-focused treatment with many examples and exercises, together with solutions \* Integrates the use of .NET with the supported languages C#, VB and C++ \* Authors supporting website contains solutions, source code and other extras*

*Best-selling author Bill Vaughn gives practical advice that VB developers can use immediately to make their data access code faster and easier to write and understand.*

*ADO.NET—the data-access component of the Microsoft .NET Framework—works with any component on any platform that understands XML. Get a solid handle on ADO.NET and learn how to exploit the database functionality of Microsoft Visual Basic® .NET and Microsoft Visual C#™ .NET with this step-by-step primer. You'll be working in ADO.NET right away with easy-to-grasp examples drawn from the real-world challenges developers face every day. Learn about the ADO.NET object model and how to use it to develop data-bound Windows® Forms and Web Forms. See how ADO.NET interacts with XML and how to access older versions of ADO from the .NET environment. Throughout, you'll find insightful tips and expert explanations for rapid acceleration of development productivity, faster applications, and more powerful results. Topics covered include: Getting started with ADO.NET Creating connections The Data command and DataReader Accessing data with the DataAdapter Working with DataSets Working with DataTables Controlling table views with DataViews Editing and updating data Data-binding in Windows Forms Data-binding in Web Forms Using the XML Designer to modify data structure Reading and writing XML with ADO.NET Using ADO from the .NET Framework CD features: \* Examples of real-world solutions developed with ADO.NET, including sample code in Visual Basic .NET and Visual C# .NET A Note Regarding the CD or DVD The print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via O'Reilly Media's Digital Distribution services. To download this content, please visit O'Reilly's web site, search for the title of this book to find its catalog page, and click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we are sometimes limited by licensing restrictions. Please direct any questions or concerns to [booktech@oreilly.com](mailto:booktech@oreilly.com).*

*Data Access for the Internet World*

*ADO.NET Programming*

*Programming with SQL Server 2005, Oracle, and MySQL*

*ADO.NET 3.5 Cookbook*

*Programming Web and Desktop Applications in ADO.NET and ASP.NET*

Written by experts on the Microsoft® .NET programming platform, ADO.NET in a Nutshell delivers everything .NET programmers will need to get a jump-start on ADO.NET technology or to sharpen their skills even further. In the tradition of O'Reilly's In a Nutshell Series, ADO.NET in a Nutshell is the most complete and concise source of ADO.NET information available.ADO.NET is the suite of data access technologies in the .NET Framework that developers use to build applications services accessing relational data and XML. Connecting to databases is a fundamental part of most applications, whether they are web, Windows®, distributed, client/server, XML Web Services, or something entirely different. But ADO.NET is substantially different from Microsoft's previous data access technologies--including the previous version of ADO--so even experienced developers need to understand the basics of the new disconnected model before they start programming with it.Current with the .NET Framework 1.1, ADO.NET in a Nutshell offers one place to look when you need help with anything related to this essential technology, including a reference to the ADO.NET namespaces and object model. In addition to being a valuable reference, this book provides a concise foundation for programming with ADO.NET and covers a variety of issues that programmers face when developing web applications or Web Services that rely on database access. Using C#, this book presents real world, practical examples that will help you put ADO.NET to work immediately.Topics covered in the book include: An Introduction to ADO.NET Connections, Commands and DataReaders Disconnected Data Advanced DataSets Transactions DataViews and Data Binding XML and the DataSet Included with the book is a Visual Studio .NET add-in that integrates the entire reference directly into your help files. When combining ADO.NET in a Nutshell with other books from O'Reilly's .NET In a Nutshell series, you'll have a comprehensive, detailed and independent reference collection that will help you become more productive.

A reference and instructional guide to Microsoft's ActiveX Data Objects introduces the updated form of database communication to developers and Web programmers.

Completely revised and updated, this comprehensive reference on ADO .NET programming covers such topics as database tools, data objects, Web Services, multi-tier database applications, Windows Forms classes, and the development of ASP.NET Web applications, providing insider tips and techniques, code examples, and other helpful features. Original. (Intermediate)

The purpose of this book is to give established and new VB developers direction in how to get started developing database applications with VB .NET. Developers will be shown numerous code examples that will illustrate how to program database driven applications within the .NET Framework. Important topics covered include: Visual Studio development environment, ASP.NET applications, Windows Forms application, using VB.NET with ADO.NET, complex queries, security, COM interop., and application deployment.

ADO.NET Tutorial Step by Step in a Nutshell

Programming Entity Framework

Professional ADO.NET 3.5 with LINQ and the Entity Framework

Pragmatic ADO.NET

ADO.NET Programming in Visual Basic .NET

**A powerful tool for delivering data-driven content across the Web, ADO.NET is the new set of data access services for Microsoft's .NET Framework. Because of its many new features, experienced and new programmers alike need to learn ADO.NET from the ground up. Provides detailed coverage of the objects that form the ADO.NET infrastructure Explores the relationship between ADO.NET, ASP.NET, XML, and server-side tools such as SQL Server 2000 and BizTalk Server Features "Best Practices" sections that cover how to retrieve, manipulate, and update data with ADO.NET Companion Web site contains code examples in VB.NET and C#**

**ADO.NET and ADO Examples and Best Practices for VB Programmers, Second Edition brings the popular first edition up to date with fresh insights and tips on COM-based ADOand adds a voluminous section on the new ADO.NET technology. Written specifically for COM-based ADO developers retooling for ADO.NET, this is a developer's book, packed with practical advice on how to make code run faster, yet be easier to write and understand. Veteran author William Vaughn guides you through the data access maze with working examples and numerous discussions of what works and what doesn't. Derived from years of experience working with data access developers, Vaughn's Best Practices are a set of techniques proven to drastically reduce overhead, problems, and confusion—for the developer, the system, and the entire team. While some are quite simple to implement, others require considerable knowledge and forethought to enable.**

**If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want. Programming Entity Framework, 1st Edition offers experienced developers a thorough introduction to Microsoft's core framework for modeling and interacting with data in .NET applications. This hands-on tour provides a deep understanding of Entity Framework's architecture and APIs, and explains how to use the framework in a variety of applications built with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to EntityClient and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, and ASP.NET applications Build ASMX web services and WCF services Use Object Services to work directly with your entity objects Delve into model customization, relationship management, change tracking, data concurrency, and more One important note: while many of the lessons from this book will continue to be valuable as you move to .NET 4, the thoroughly revised second edition of Programming Entity Framework (August 2010) specifically targets Visual Studio 2010 and .NET 4 --**

where there have been many advancements and additions to the framework.

**ADO Examples and Best Practices**Apres

**Professional ADO.NET 2**

**Advanced Visual Basic.NET**

**Microsoft ADO.NET Step by Step**

**Building Data-Centric .NET Applications**

**ADO. NET Examples and Best Practices for C# Programmers**

*Presents step-by-step instructions on the fundamentals of Microsoft ADO.NET 2.0.*

*Explores topics including how to use ADO.NET to access relational data stores, using the DataSet class for in-memory data representation, and mapping database information using ASP.NET WebForm.*

*Teach yourself the fundamentals of ADO.NET 4 -- one step at a time. With this practical, learn-by-doing tutorial, you get the clear guidance and hands-on examples you need to start creating datacentric applications for Windows and the Web. Discover how to: Connect to external data sources, including databases and other data formats Use ADO.NET Entity Framework to interact with underlying data stores Build Entity Framework models with graphical design tools in Microsoft Visual Studio 2010 Analyze information stored in ADO.NET with various LINQ providers Bind data directly to Windows Forms and Web Forms to drive information to users Manage disconnected or standalone data and information Go beyond the core functionality of ADO.NET to manipulate data in more advanced ways Your step by step digital content includes: Practice exercises Fully searchable online edition of this book -- with unlimited access on the Web*

*Written for experienced Visual Basic programmers, this guide introduces database programming using the classes, properties, methods, and events of the ADO.NET data access method. The authors explain how to use typed and untyped datasets with bound and unbound controls, work with data commands direct*

*Microsoft ADO.NET 2.0 Step by Step*

*The Complete Reference*

*ADO and ADO.NET Programming*

*ADO: ActiveX Data Objects*

*ADO.NET PROG,*

*Visual Basic database developers are faced with a dizzying cornucopia of choices when it comes to data access paradigms. The purpose of this book is to make the choice and implementation of the best of those technologies far easier. It does this through working examples and numerous discussions of what works and what does not. Vaughns "Best Practices" are the techniques that developers need to know because they cause the least amount of overhead, problems and confusion. While some are quite simple to implement, other "Best Practices" require considerable thought and planning. This is a developers bookfull of hints, tips, and notes passed on from those who show the medals and scars of battles won and lost.*

*ADO.NET revolutionized the way data was accessed through SQL Server, Oracle, and MySQL. With Microsoft's release of ADO.NET 2, ADO and the .NET Framework are integrated with SQL Server for the first time-enabling you to program .NET applications directly within the SQL Server database. Packed with sample code and recommended best practices for using ADO.NET 2, this code-intensive book explores the new data types that are available in the 2.0 Framework and discusses the appropriate time and way to use them. You'll learn how to make repetitive, mundane tasks much simpler and you'll walk away with a solid foundation for developing database-driven applications. What you will learn from this book The basics of creating a connection, executing a query, and returning a result Best uses for Oracle in the ADO.NET Framework The many new features that are available for XML How to use the full text search capabilities of Microsoft(r) SQL Server 2005 Methods for retrieving data and presenting it in various ways Why MySQL is a viable option for data storage Who this book is for This book is for experienced database developers who want to learn the latest release of ADO.NET 2.0. Knowledge of ADO.NET 1.0, general .NET development, and Microsoft SQL Server is necessary. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.*

*What is this book about? For a web site to offer its users an experience that improves on that of newspapers or textbooks, it needs a way to change the information it contains dynamically - and that means it needs access to a data source. Through the combination of ASP.NET and ADO.NET, Microsoft provides everything necessary to access, read from, and write to a database, and then allow web users to view and manipulate that data from a web browser. In this book, we'll show you how it's done. What does this book cover? Packed with clear explanations and hands-on examples, Beginning ASP.NET Databases contains everything you'll need on your journey to becoming a confident, successful programmer of data-driven web sites. In particular, we'll look at: Connecting to common data sources, including SQL Server and MS Access Reading data with data reader and dataset objects Creating and deleting records, and editing data Displaying data with ASP.NET's web server controls Writing and using stored procedures from VB.NET code Placing your data access code in reusable class libraries The book closes with a real-world case study that consolidates the tutorials throughout the book into a practical result. Who is this book for? To use this book, you need a computer running either Windows 2000 or Windows XP Professional Edition. The examples it contains will not run on Windows XP Home Edition. This book is for people who have some experience of programming ASP.NET with Visual Basic .NET, are familiar with the operation of the .NET Framework, and want to learn how to use ASP.NET to make data-centric web applications. No prior knowledge of database programming is necessary.*

*Here is extensive coverage of ADO.NET technology including ADO.NET internals, namespaces, classes, and interfaces for beginning ADO developers.*

*ADO ActiveX Data Objects*

*Programming ADO.NET*

*Microsoft ADO.NET Entity Framework Step by Step*

*Building Data-Driven Solutions*

*Training & Reference*

**For every developer who's uttered, "I wish I knew that before I started writing all this code!" this guide demonstrates how to save time, write less code, and build more powerful, data-driver solutions using Microsoft ActiveX Data**

**Objects. CD contains code samples in VB, along with examples in Visual C++, and Visual J++.**

**Your hands-on guide to Entity Framework fundamentals Expand your expertise—and teach yourself the fundamentals of the Microsoft ADO.NET Entity Framework 5. If you have previous programming experience but are new to the Entity Framework, this tutorial delivers the step-by-step guidance and coding exercises you need to master core topics and techniques. Discover how to: Access data in a managed way—using minimal code Apply three workflows supported by the Entity Framework Perform essential tasks with full automation in place Manipulate data with both LINQ and Entity SQL Create examples that rely on Table-Valued Functions Determine the remedies for Entity-specific exceptions Explore the use of optimistic and pessimistic concurrency Define mappings between your applications and data sources**

**ADO.NET in a Nutshell delivers everything .NET programmers will need to get a jump-start on ADO.NET technology or to sharpen their skills even further. ADO.NET is the suite of data access technologies in the .NET Framework that developers use to build applications services accessing relational data and XML. Connecting to databases is a fundamental part of most applications, whether they are web, Windows(R), distributed, client/server, XML Web Services, or something entirely different. But ADO.NET is substantially different from Microsoft's previous data access technologies--including the previous version of ADO--so even experienced developers need to understand the basics of the new disconnected model before they start programming with it.Current with the .NET Framework, ADO.NET in a Nutshell offers one place to look when you need help with anything related to this essential technology, including a reference to the ADO.NET namespaces and object model. In addition to being a valuable reference, this book provides a concise foundation for programming with ADO.NET and covers a variety of issues that programmers face when developing web applications or Web Services that rely on database access. Using C#, this book presents real world, practical examples that will help you put ADO.NET to work immediately.Topics covered in the book include: -An Introduction to ADO.NET-Connections, Commands and DataReaders-Disconnected Data-Datatables-DataViews and Data Binding-XML and the DataSet-SQL server connectivity -Web form examples-MVC examples etc . This tutorial guide has been prepared for beginners and professionals to help them in understanding the basic concepts related ADO.NET Framework. The book tutorial gives you enough understanding on ADO.NET Framework from where you can take yourself to a higher level of expertise.**

**This guide is strikingly different from other books on Microsoft ADO.NET. Rather than load you down with theory, the new edition of ADO.NET 3.5 Cookbook gives you more than 200 coding solutions and best practices for real problems you're likely to face with this technology using Visual Studio 2008 and the .NET 3.5 platform. Organized to help you find the topic and specific recipe you need quickly and easily, this book is more than just a handy compilation of cut-and-paste C# code. ADO.NET 3.5 Cookbook also offers clear explanations of how and why each code solution works, and warns you of potential pitfalls so you can learn to adapt the book's problem-solving techniques to different situations. This collection of timesaving recipes covers vital topics including: Connecting to data Retrieving and managing data Transforming and analyzing data Modifying data Binding data to .NET user interfaces Optimizing .NET data access Enumerating and maintaining database objects Maintaining database integrity Ideal for ADO.NET programmers at all levels, from the relatively inexperienced to the most sophisticated, this new edition covers the significant 3.5 upgrade, including new programming tools such as LINQ. ADO.NET 3.5 Cookbook offers a painless way for those of you who prefer to learn by doing when it comes to expanding your skills and productivity.**

**PRO ADO.NET WITH VB.NET 1.1**

**Tips, Tutorials, and Code**

**Microsoft ADO.NET 4 Step by Step**

**Professional ASP.NET 3.5 SP1 Edition**

**Microsoft ADO.NET**