

## Programming Microsoft Ado Net 2 0 Applications Advanced Topics

\* Written by best selling author Peter Wright, and marks a return to his best form as he writes with a mission again. 'Beginning VB6' by Peter Wright sold circa 100k copies, and he followed up with Beginning VB6 Objects which sold circa 30k copies on a more niche topic. \* A personal journey with an expert in VB.NET database programming, this is a book that stands out from the crowd. \* A complete tutorial involving the reader in all the key areas of VB.NET database programming that they need to progress their skill set in VB.NET. \* All the skills are covered that a novice programmer will need to meet the database programming challenges they may meet in their programming career. \* 2 months free subscription to ASP.Today for readers of this title.

Provides information on the architecture of the T-SQL programming language to create scalable code.

Practical Database Programming with Visual Basic.NET The most up-to-date Visual Basic.NET programming textbook—covering both fundamentals and advanced-level programming techniques—complete with examples and solutions Visual Basic.NET (VB.NET) is an object-oriented computer programming language that can be viewed as an evolution of the classic Visual Basic (VB), which is implemented on the .NET Framework. Microsoft currently supplies two major implementations of Visual Basic: Microsoft Visual Studio (which is commercial software) and Microsoft Visual Studio Express (which is free of charge). Forgoing the large amounts of programming codes found in most database programming books, Practical Database Programming with Visual Basic.NET shows students and professionals both how to develop professional and practical database programs in a Visual Basic.NET environment by using Visual Studio.NET Data Tools and Wizards related to ADO.NET 4.0, and how to apply codes that are auto-generated by solely using Wizards. The fully updated Second Edition: Covers both fundamentals and advanced database programming techniques Introduces three popular database systems with practical examples including MS Access, SQL Server 2008, and Oracle Features more than fifty sample projects with detailed illustrations and explanations to help students understand key techniques and programming technologies Includes downloadable programming codes and exercise questions This book provides undergraduate and graduate students as well as database programmers and software engineers with the necessary tools to handle the database programming issues in the Visual Studio.NET environment.

\* Completely up to date with the ASP.NET 2.0 technology and demonstrates the new best-practices and coding styles that it requires \* Focuses on developer's needs, explaining the technology in a manner applicable to development projects \* Provides comprehensive coverage of ASP.NET 2.0 (with C# .NET 2.0), providing thorough understanding of the subject area Hundhausen offers a pragmatic, hands-on overview of the new Microsoft Visual Studio team development environment, which features new tools and end-to-end integration for the roles of architect, developer, tester, and project manager.

Accelerate your productivity with Visual Basic® .NET—and quickly create powerful Win32® applications and high-performance, scalable applications for the Web—with this indispensable tutorial and reference. Building on the success of the author's popular programming book for Visual Basic 6.0, this new book teaches you the best practices for porting and reusing existing Visual Basic code in the .NET Framework as well as for exploiting the language's advanced new object-oriented capabilities. It covers the common language runtime (CLR), multithreaded programs, Windows® Forms applications, GDI+ graphic programming, Windows services, ADO.NET classes for database programs, ASP.NET Web Forms, and Web Services. It includes advanced optimization techniques and tips for leveraging the power of the Microsoft® Visual Studio® .NET environment. Topics covered include: Getting started with Visual Basic .NET Modules, variables, and error handling Object-oriented features, including inheritance Delegates and attributes Arrays, lists, and collections Files, directories, and streams Object serialization Regular expressions Threading Assemblies and AppDomains Reflection Windows Forms applications and GDI+ Windows Forms custom control creation Windows services ADO.NET XML ASP.NET Web Forms applications User controls and custom controls XML Web services CD+DVD INSIDE! CD-ROM features: A fully searchable electronic copy of PROGRAMMING MICROSOFT VISUAL BASIC 6.0 Sample applications written in Visual Basic .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).

A novel approach to developing and applying databases with Visual C#.NET Practical Database Programming with Visual C#.NET clearly explains the considerations and applications in database programming with Visual C#.NET 2008 and in developing relational databases such as Microsoft Access, SQL Server, and Oracle Database. Sidestepping the traditional approach of using large blocks of code, Ying Bai utilizes both Design Tools and Wizards provided by Visual Studio.NET and real-time object methods to incorporate over sixty real sample database programming projects along with detailed illustrations and explanations to help readers understand the key techniques and programming technologies in database programming. This invaluable resource features: Fundamental and advanced database programming techniques for beginning and experienced students as well as programmers A real completed sample database CSE\_DEPT with three versions (Microsoft Access 2007, SQL Server 2005 SP2, and Oracle Database 10g XE Release 2) used throughout the entire book Step-by-step details on designing and building a practical relational database Discussion and analysis of the new database query technique, LINQ API—which includes LINQ to Objects, LINQ to DataSet, LINQ to SQL, LINQ to Entities, and LINQ to XML—and implementation in actual projects with line-by-line explanation Homework and selected solutions for each chapter to strengthen and improve learning and understanding An Instructor's Manual (MS PPT), example codes and exercise questions, homework/exercise solutions, and database projects available for free download E-mail assistance from the author Readers who will benefit highly from this reference are undergraduate or graduate students majoring in computer science and engineering, graduate students in all engineering departments, and software engineers and researchers in academic and industrial fields. To obtain instructor materials please send an email to [pressbooks@ieee.org](mailto:pressbooks@ieee.org) Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

The Industrial Information Technology Handbook focuses on existing and emerging industrial applications of IT, and on evolving trends that are driven by the needs of companies and by industry-led consortia and organizations. Emphasizing fast growing areas that have major impacts on industrial automation and enterprise integration, the Handbook covers topics such as industrial communication technology, sensors, and embedded systems. The book is organized into two parts. Part 1 presents material covering new and quickly evolving aspects of IT. Part 2 introduces cutting-edge areas of industrial IT. The Handbook presents material in the form of tutorials, surveys, and technology overviews, combining fundamentals and advanced issues, with articles grouped into sections for a cohesive and comprehensive presentation. The text contains 112 contributed reports by industry experts from government, companies at the forefront of development, and some of the most renowned academic and research institutions worldwide. Several of the reports on recent developments, actual deployments, and trends cover subject matter presented to the public for the first time.

Database Administration, Second Edition, is the definitive, technology-independent guide to the modern discipline of database administration. Packed with best practices and proven solutions for any database platform or environment, this text fully reflects the field's latest realities and challenges. Drawing on more than thirty years of database experience, Mullins focuses on problems that today's DBAs actually face, and skills and knowledge they simply must have. Mullins presents realistic, thorough, and up-to-date coverage of every DBA task, including creating database environments, data modeling, normalization, design, performance, data integrity, compliance, governance, security, backup/recovery, disaster planning, data and storage management, data movement/distribution, data warehousing, connectivity, metadata, tools, and more. This edition adds new coverage of "Big Data," database appliances, cloud computing, and NoSQL. Mullins includes an entirely new chapter on the DBA's role in regulatory compliance, with substantial new material on data breaches, auditing, encryption, retention, and metadata management. You'll also find an all-new glossary, plus up-to-the-minute DBA rules of thumb.

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#

The practicing programmer's DEITEL® guide to C# and the powerful Microsoft .NET Framework Written for programmers with a background in C++, Java, or other high-level languages, this book applies the Deitel signature live-code approach to teaching programming and explores Microsoft's C# language and the new .NET 2.0 in depth. The book is updated for Visual Studio® 2005 and C# 2.0, and presents C# concepts in the context of fully tested programs, complete with syntax shading, detailed line-by-line code descriptions, and program outputs. The book features 200+ C# applications with 16,000+ lines of proven C# code, as well as 300+ programming tips that will help you build robust applications. Start with a concise introduction to C# fundamentals using an early classes and objects approach, then rapidly move on to more advanced topics, including multithreading, XML, ADO.NET 2.0, ASP.NET 2.0, Web services, network programming, and .NET remoting. Along the way you will enjoy the Deitels' classic treatment of object-oriented programming and a new, OOD/UML™ ATM case study, including a complete C# implementation. When you are finished, you will have everything you need to build next-generation Windows applications, Web applications, and Web services. Dr. Harvey M. Deitel and Paul J. Deitel are the founders of Deitel & Associates, Inc., the internationally recognized programming languages content-creation and corporate-training organization. Together with their colleagues at Deitel & Associates, Inc., they have written many international best-selling programming languages textbooks that millions of people worldwide have used to master C, C++, Java™, C#, XML, Visual Basic®, Perl, Python, and Internet and Web programming. The DEITEL® Developer Series is designed for practicing programmers. The series presents focused treatments of emerging technologies, including .NET, J2EE, Web services, and more. Practical, Example-Rich Coverage Of: C# 2.0, .NET 2.0, FCL ASP.NET 2.0, Web Forms and Controls Database, SQL, and ADO.NET 2.0 Networking and .NET Remoting XML, Web Services Generics, Collections GUI/Windows® Forms OOP: Classes, Inheritance, and Polymorphism OOD/UML™ ATM Case Study Graphics and Multimedia Multithreading Exception Handling And more... VISIT WWW.DEITEL.COM Download code examples To receive updates on this book, subscribe to the free DEITEL® BUZZ ONLINE e-mail newsletter at [www.deitel.com/newsletter/subscribe.html](http://www.deitel.com/newsletter/subscribe.html) Read archived Issues of the DEITEL® BUZZ ONLINE Get corporate training information

Provides information on ways to find security bugs in software before it is released.

Get answers to common questions about setting up the design environment and building custom solutions with Microsoft Dynamics CRM. Delve into core architecture, tools, and techniques, and learn how to exploit powerful customization features. Authored by industry-leading experts, this book shows how to deliver intelligent CRM solutions that meet the unique challenges and requirements of your business. Discover how to: Set up the development environment Enhance the product's APIs with your own code Execute business logic using plug-ins Build custom workflows that extend native workflow functions Create user-friendly integration with scripts and application extensions Code custom pages optimized for Microsoft Outlook with Offline Access Extend Microsoft Dynamics CRM using ASP.NET Create advanced Windows Workflow Foundation solutions Extend multilingual and multicurrency features Construct a custom security-access solution Get code samples on the Web.

The Complete Reference to Professional SOA with Visual Studio 2005 (C# & VB 2005) focuses on architecting and constructing enterprise-level systems. Taking advantage of the newly released Visual Studio 2005 development environment, the book assesses the current service-oriented platform and examines new ways to develop for scalability, availability, and security (which have become available with .NET 2.0). You'll get to look closely at application infrastructure in terms of flexibility, interoperability, and integration, as well as the decisions that have to be made to achieve optimum balance within your architecture.

Get hands-on answers to frequently asked questions about using Microsoft .NET technologies to customize and extend SAP applications. Walk through dozens of real-world examples—from Web Services integration to business intelligence (BI) reporting and Microsoft Office-based solutions—direct from a team of Microsoft–SAP interoperability experts. Learn how to expose back-end SAP data through familiar Microsoft tools and UIs—for better productivity and lower TCO. Discover how to: Navigate the development environment and tools—including Microsoft Visual Studio®, Visual Studio Tools for Office, and BizTalk® Server Connect .NET and SAP via Web Services, tools like SAP Connector and Enterprise Service Explorer, and .NET Data Provider Implement BI solutions that unlock SAP data through familiar Microsoft UIs Expose data from SAP NetWeaver Portal in Microsoft Office SharePoint® Server Use the Business Data Catalog to display and search SAP content—no coding Build your own Office Business Applications (OBAs), or put Duet to work Add Microsoft Office presence functionality and forms solutions to SAP applications Deliver a single sign-on solution

Visual Basic 2008 Black Book Is The Most Comprehensive Book That You Will Find On Visual Basic.Net. It Contains Useful Material On All The Concepts Of Visual Basic 2008, And At The Same Time, Teaches You How To Implement These Concepts Programmatically By Providing Appropriate Examples Along-With Detailed Explanations. This Edition Of The Book Particularly Deals With Some New And

Advanced Topics: Such As Wpf, Wcf, Wf, Asp.Net, Ajax, Silverlight, And Linq. This Unique Book On Visual Basic 2008 Has Extensive Coverage Of The Language; No Doubt, Every Aspect Of The Book Is Worth Its Price. Part I - .Net Framework 3.5 And Visual Studio 2008 Chapter 1: Getting Started With .Net Framework 3.5 Chapter 2: Introducing Visual Studio 2008 Part Ii - Visual Basic Programming Language And Oop Chapter 3: Introducing Visual Basic 2008 Chapter 4: Flow Control And Exception Handling In Visual Basic 2008 Chapter 5: Object-Oriented Programming In Visual Basic 2008 Part Iii - Windows Forms And Wpf Chapter 6: Windows Forms In Visual Basic 2008 Chapter 7: Windows Forms Controls - I Chapter 8: Windows Forms Controls- Ii Chapter 9: Windows Forms Controls - Iii Chapter 10: Windows Forms Controls - Iv Chapter 11: Windows Forms Controls - V Chapter 12: Introducing Windows Presentation Foundation Chapter 13: Working With Wpf 3.5 Controls, Resources, Styles, Templates, And Commands Chapter 14: Using Graphics And Multimedia In Windows Forms And Wpf Part Iv - Asp.Net 3.5 Chapter 15: Introducing Asp.Net 3.5 And Web Forms Chapter 16: Standard Web Server Controls Chapter 17: Navigation Controls In Asp.Net 3.5 Chapter 18: Login And Web Parts Controls In Asp.Net 3.5 Chapter 19: Enhancing Web Applications With Silverlight Part V - Services And Deployment Chapter 20: Asp.Net 3.5 Web Services Chapter 21: Introducing Windows Communication Foundation Chapter 22: Deploying Windows And Web Applications Part Vi - Ado.Net And Linq Chapter 23: Data Access With Ado.Net Chapter 24: Data Binding In Windows Forms And Wpf Applications Chapter 25: Data Binding In Asp.Net Applications Chapter 26: Working With Linq Part Vii - Advanced Topics Chapter 27: Working With Windows Workflow Foundation Chapter 28: Threading In Visual Basic 2008 Chapter 29: Collections And Generics Chapter 30: Working With Xml And .Net Chapter 31: The My Object Chapter 32: .Net Assemblies Chapter 33: Developing Windows Mobile Applications Chapter 34: Security And Cryptography In .Net Chapter 35: .Net Remoting In Visual Basic 2008 Chapter 36: Human Resources Management System

Advance your expertise with ASP.NET and the Microsoft .NET Framework—and build dynamic Web solutions that can run on any browser or mobile device. This guide expertly balances coverage of ASP.NET infrastructure with practical, hands-on examples you can modify for your own Web applications and services. As you examine ASP.NET infrastructure—including the HTTP runtime, standard and custom controls, configuration, and security issues—you'll learn techniques and best practices for building high-performance, effective, and functional solutions. Whether you're creating a dynamic portal application or a corporate intranet, this must-have reference demonstrates how to use ASP.NET to accelerate your productivity—and shave precious hours off your development time. Discover how to: Access data using ADO.NET Master the DataGrid control to display, edit, and page through data Program page forms to enable multiple forms and pop-up windows Use ASP.NET mobile controls to write one application that can run on multiple devices Write statefull session-based Web services Reuse common UI elements across applications with Web Forms user controls Use inheritance to modify existing ASP.NET controls for your own programs Create data-bound and templated custom controls from scratch Deliver dynamically generated images to the Web with GDI+ Learn state management techniques that help optimize scalability Get best practices for writing attack-resistant code Configure ASP.NET files for deployment and fine-tune application performance Configure the HTTP pipeline to serve ASP.NET pages

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.

CD-ROM includes: e-book in 1 pdf file (pdf version of this book); bonus material (10 pdf files); sample files.

Build your expertise as you move beyond the basics--and delve into the core topics of programming with ASP.NET 2.0. Useful to both experienced developers and those developing new skills, this ultimate reference is packed with expert guidance, hands-on programming instruction, and practical examples to help you advance your mastery of developing applications for the Web. Discover how to: Author rich, visually consistent pages and manage layout with themes and Master pages Create personalized pages that persist user preferences Retrieve, modify, and manage data with Microsoft ADO.NET Configure the HTTP pipeline to serve ASP.NET 2.0 pages Control program flow by tracing and handling exceptions Design caching layers and learn state management techniques to optimize application performance Manage users with membership control, registration, and authentication capabilities Build real-world data access layers using common design patterns Use custom collections with data source controls Learn the internals of grid controls PLUS--Get code samples on the Web

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.

After reading Programming the Web with Visual Basic .NET, developers will understand how to build and deploy top quality, professionally designed, highly usable Web applications using Visual Basic .NET.

Learn Visual Basic step by step and start programming right away Beginning Visual Basic 2015 is the ideal guide for new programmers, especially those learning their first



driven web applications using Microsoft's exciting new .NET technologies. Open the book on Friday evening and by Sunday afternoon -- after completing 30 fast, focused lessons -- you will have mastered the skills necessary to begin creating robust, dynamic, data-driven web applications with ASP.NET. Starting with ASP.NET basics, expert authors Jason and Tony teach you what they need to know to begin creating ASP.NET applications quickly, and then dive into building database applications with ADO.NET, Web Services, SOAP, XML and more. This book is a must have for any developer building web applications on Microsoft's new .NET Framework.

Access 2007 Programming by Example with VBA, XML, and ASP shows non-programmers how Access databases can be created, managed, and customized with Visual Basic for Applications (VBA) — a powerful programming language built into Access. Hundreds of hands-on examples and projects throughout the book show users how to take charge of their Access databases with programming. Learn how to Write and debug your programming code with the Visual Basic Editor; access and manipulate databases with Data Access Objects (DAO) and ActiveX Data Objects (ADO); use the Data Definition Language (DDL) to enforce data integrity and manage database security; modify the behavior of forms, reports, and controls by writing event procedures; publish dynamic Access data to the web using Active Server Pages (ASP) and Extensible Markup Language (XML); and work with the new features for tables, forms, reports, macros, and templates that are available in the Access 2007 user interface.

Provides information and exercises on building rich Web sites with ASP.NET 4, covering such topics as adding features with built-in server controls, implementing jQuery and AJAX techniques, securing and personalizing a site, and working with development tools.

ASP.NET 3.5 is the principal standard for creating dynamic web pages on the Windows platform. Pro ASP.NET 3.5 in VB 2008: Includes Silverlight 2 raises the bar for high-quality, practical advice on learning and deploying Microsoft's dynamic web solution. Updated with everything you need to integrate Silverlight 2.0 into your ASP.NET applications, this book teaches you all about Silverlight's exciting features so that your ASP projects can be rich in visual flair and compelling to the user. You'll learn how to use the new levels of abstraction in the Entity Framework to design elegant, powerful application architectures. Seasoned .NET professionals Matthew MacDonald, Mario Szpuszta, and Vidya Vrat Agarwal explain how you can get the most from these groundbreaking technologies. They cover ASP.NET 3.5 as a whole, illustrating both the newer features and the functionality carried over from previous versions of ASP. This book will give you the knowledge you need to code real ASP.NET 3.5 applications in the best possible style.

Programming Microsoft Visual Basic.Net

\*Adheres closely to original style/approach that made this book a best-seller in its previous incarnation \*Functions as a practical guide for a business audience \*Case-study contains the fully working source code to a real commercial product

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