

## By Eric Carter Visual Studio Tools For Office 2007 Vsto For Excel Word And Outlook Microsoft Net Development Series 2nd Second Edition

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

"No one knows ASP.NET like Fritz Onion. And no one knows .NET security like Keith Brown. Combine the two and what do you get? The most comprehensive and enlightening book on ASP.NET 2.0 industrywide. I'm sure you'll find the book you're holding was worth every penny." --Aaron Skonnard, member of technical staff and cofounder, Pluralsight " Essential ASP.NET 2.0 gets under the hood and dismantles the engine before your eyes. Fritz and Keith understand that we as developers need to understand how it works and this book does exactly that. Their explanation of the ASP.NET 2.0 page event sequence is worth the price of the book alone." --Shawn Wildermuth, Microsoft MVP (C#), "The ADO Guy" " Essential ASP.NET 2.0 is an incredibly useful must-read for any developer.Many books drag you through theory and mindless detail, but this one actually sets up the problems you may encounter with ASP.NET 2.0 and rolls out the alternatives." --Patrick Hynds, Microsoft Regional Director and President, CriticalSites "This book is essential for any ASP.NET developer moving from version 1.x to 2.0. Onion and Brown not only cover the new features, but provide a wealth of insight and detail about how to use them effectively." --Ron Petrusha, author of Visual Basic 2005: The Complete Reference "Drawing on their deep technical knowledge and real-world experience, Fritz and Keith take the reader into some of the less explored and much improved areas of ASP.NET such as diagnostics and state management and performance. Readers will turn to this book over and over again." --John Timney, Microsoft MVP, Senior Web Services Consultant,British Telecom "Fritz and Keith, both established developers and writers in our industry, have succeeded again--enlightening us on the latest advancements found in ASP.NET 2.0. If you're new to ASP.NET or a seasoned veteran, you'll benefit tremendously from their overview, analysis, and sample code." --Joe "MSJoe" Flanigen "This book seeks not only to explain how to effectively build Web sites with ASP.NET, it also gives the reader an idea of how the process works. This insight is essential to creating applications that work with the infrastructure rather than fighting it." --Justin Burtch, Vice President, Newbrook Solutions Essential ASP.NET 2.0 is the Microsoft developer's definitive reference for ASP.NET 2.0 programming. It covers all you need to know to build robust, well-designed Web applications with ASP.NET 2.0, Visual Studio 2005, and .NET 2.0. ASP.NET MVP Fritz Onion and Developer Security MVP Keith Brown draw on their unparalleled experience working with ASP.NET 2.0 and teaching it to professional developers. From data binding to security, UIs to performance, they demystify ASP.NET 2.0's most difficult areas, and introduce little-known techniques for leveraging it to the fullest. The perfect companion to his previous classic, Essential ASP.NET with Examples in C#, Essential ASP.NET 2.0 offers hundreds of new C# examples that illuminate today's best Web development practices. (Both C# and VB 2005 versions of all code examples can be downloaded from the companion Web site.) Topics explored in-depth include: Application architecture Code behind Master pages Themes and skins Navigation controls Data binding State management Security Web Parts Diagnostics Performance optimization Asynchronous tasks and pages Simply put, if you want to design and build better ASP.NET 2.0 Web applications, Essential ASP.NET 2.0 delivers everything you need: insider's knowledge, proven best practices, and outstanding code samples.

Visual Studio Team System (VSTS) gives Microsoft development teams a powerful, integrated toolset for Agile development. Visual Studio Team System: Better Software Development for Agile Teams is a comprehensive, start-to-finish guide to making the most of VSTS in real-world Agile environments. Using a book-length case study, the authors show how to use VSTS to improve every aspect of software development, step by step—from project planning through design and from coding through testing and deployment. Agile consultant Will Stott and Microsoft development lead James Newkirk carefully integrate theory and practice, offering hands-on exercises, practical insights into core Extreme Programming (XP) techniques, and much more. Coverage includes Using VSTS to support the transition to Agile values and techniques Forming Agile teams and building effective process frameworks Leveraging Team Foundation Version Control to help teams manage change and share their code effectively Implementing incremental builds and integration with Team Foundation Build Making the most of VSTS tools for Test-Driven Development and refactoring Bringing agility into software modeling and using patterns to model solutions more effectively Using the FIT integrated testing framework to make sure customers are getting what they need Estimating, prioritizing, and planning Agile projects Software Engineering with Microsoft Visual Studio Team System is written for any software team that is considering running a software project using Visual Studio Team System (VSTS), or evaluating modern software development practices for its use. It is about the value-up paradigm of software development, which forms the basis of VSTS: its guiding ideas, why they are presented in certain ways, and how they fit into the process of managing the software lifecycle. This book is the next best thing to having an onsite coach who can lead the team through a consistent set of processes. Sam Guckenheimer has been the chief customer advocate for VSTS, responsible for its end-to-end external design. He has written this book as a framework for thinking about software projects in a way that can be directly tooled by VSTS. It presents essential theory and practical examples to describe a realistic process for IT projects. Readers will learn what they need to know to get started with VSTS, including The role of the value-up paradigm (versus work-down) in the software development lifecycle, and the meanings and importance of “flow” The use of MSF for Agile Software Development and MSF for CMMI Process Improvement Work items for planning and managing backlog in VSTS Multidimensional, daily metrics to maintain project flow and enable estimation Creating requirements using personas and scenarios Project management with iterations, trustworthy transparency, and friction-free metrics Architectural design using a value-up view, service-oriented architecture, constraints, and qualities of service Development with unit tests, code coverage, profiling, and build automation Testing for customer value with scenarios, qualities of service, configurations, data, exploration, and metrics Effective bug reporting and bug assessment Troubleshooting a project: recognizing and correcting common pitfalls and antipatterns This is a book that any team using or considering VSTS should read.

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. The focus of the book is on COM Interoperability (since it's a much larger subject), and the heart of the discussion is broken down into four parts: Using COM Components Within the .NET Framework Using .NET Framework Components from COM Designing Good .NET Framework Components for COM Clients Designing Good COM Components for .NET Framework Clients The scope of the book is just about everything related to using "unmanaged code" in the .NET Framework. Technologies built on top of COM Interoperability are also covered—Interoperability of Windows Forms Controls and ActiveX controls, Interoperability with COM+, and Interoperability with Distributed COM (DCOM). Although Platform Invocation Services is a separate technology from COM Interoperability, there are many areas of overlap, so including in the book is a natural fit. All of these technologies are a core part of the Common Language Runtime and .NET Framework, and will likely be used not only as the path of migration for existing software projects, but for brand new software development for the next several years.

"If you have any interest in writing .NET programs using Active Directory or ADAM, this is the book you want to read." —Joe Richards, Microsoft MVP, directory services Identity and Access Management are rapidly gaining importance as key areas of practice in the IT industry, and directory services provide the fundamental building blocks that enable them. For enterprise developers struggling to build directory-enabled .NET applications, *The .NET Developer's Guide to Directory Services Programming* will come as a welcome aid. Microsoft MVPs Joe Kaplan and Ryan Dunn have written a practical introduction to programming directory services, using both versions 1.1 and 2.0 of the .NET Framework. The extensive examples in the book are in C#; a companion Web site includes both C# and Visual Basic source code and examples. Readers will Learn to create, rename, update, and delete objects in Active Directory and ADAM Learn to bind to and search directories effectively and efficiently Learn to read and write attributes of all types in the directory Learn to use directory services within ASP.NET applications Get concrete examples of common programming tasks such as managing Active Directory and ADAM users and groups, and performing authentication Experienced .NET developers—those building enterprise applications or simply interested in learning about directory services—will find that *The .NET Developer's Guide to Directory Services Programming* unravels the complexities and helps them to avoid the common pitfalls that developers face.

- 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

Second World War fighter pilot Eric Carter is one of only four surviving members of a secret mission, code-named 'Force Benedict'. Sanctioned by Winston Churchill in 1941 Force Benedict was dispatched to defend Murmansk, the USSR's only port not under Nazi occupation. If Murmansk fell, Soviet resistance against the Nazis would be hard to sustain and Hitler would be able to turn all his forces on Britain...

Force Benedict was under the command of New Zealand-born RAF Wing Commander Henry Neville Gynes Ramsbottom-Isherwood, who led two squadrons of Hurricane fighters, pilots and ground crew which were shipped to Russia in total secrecy on the first ever Arctic Convoy. They were told to defend Murmansk against the Germans 'at all costs'. 'We all reckoned the government thought we'd never survive' - but Eric Carter did, and was threatened with Court Martial if he talked about where he'd been or what he'd done. Now he reveals his experiences of seventy years ago in the hell on earth that was Murmansk, the largest city north of the Arctic Circle. It will also include previously unseen photos and documents, as well as exploring - for the first time - other intriguing aspects of Force Benedict.

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

Build Web Services Better and Faster with RESTful Techniques and .NET Technologies Developers are rapidly discovering the power of REST to simplify the development of even the most sophisticated Web services—and today's .NET platform is packed with tools for effective REST development. Now, for the first time, there's a complete, practical guide to building REST-based services with .NET development technologies. Long-time .NET and Web services developers and authors Kenn Scribner and Scott Seely explain why REST fits so smoothly into the Internet ecosystem, why RESTful services are so much easier to build, what it means to be RESTful, and how to identify behaviors that are not RESTful. Next, they review the core Internet standards and .NET technologies used to develop RESTful solutions and show exactly how to apply them on both the client and server side. Using detailed code examples, Scribner and Seely begin with simple ASP.NET techniques, and then introduce increasingly powerful options—including Windows Communication Foundation (WCF) and Microsoft's cloud computing initiative, Azure. Coverage includes • Accessing RESTful services from desktop applications, using Windows Forms and WPF • Supporting Web client operations using Silverlight 2.0, JavaScript, and other technologies • Understanding how IIS 7.0 processes HTTP requests and using that knowledge to build better REST services • Constructing REST services based on traditional ASP.NET constructs • Utilizing the ASP.NET MVC Framework to implement RESTful services more effectively • Taking advantage of WCF 3.5's powerful REST-specific capabilities • Creating RESTful data views effortlessly with ADO.NET Data Services • Leveraging Microsoft's Azure cloud-computing platform to build innovative new services • Choosing the right .NET technology for each REST application or service

Writing robust enterprise applications presents a special challenge for developers, but Microsoft has addressed that challenge with the free, downloadable Enterprise Library for the .NET Framework.

Enterprise Library is a collection of application blocks and guidance documents that together provide functionality common to enterprise applications; each application block includes full source code. Lacking in the guidance provided by Microsoft is an overall roadmap to the process of using the application blocks. *Effective Use of Microsoft Enterprise Library* is that roadmap. Microsoft application development lead architect Len Fenster explains exactly how to build applications using Enterprise Library application blocks. Fenster covers all seven application blocks as implemented for .NET Framework 1.1, shows how to develop and use a new application block, and explains how Enterprise Library is changing for .NET Framework 2.0. Readers will learn How the Configuration Application Block is designed and can be used at runtime to easily read and write configuration data How the Configuration Application Block works at design time for all blocks How to use the Data Access Block to create a portable data layer How to use the Exception Handling Application Block to implement a policy-driven, application-wide exception handling system How to use the Logging and Instrumentation Application Block to log and instrument messages independent of the message destination How to add authentication, authorization, role membership, security cache, and profile membership features to an application with the Security Application Block How



to use the Cryptography Application Block to add functionality to encrypt and decrypt data and create and compare hashes How to build your own application block and providers that “snap” right into Enterprise Library Whether you plan to extend Enterprise Library for your organization, or just use the existing application blocks to add functionality to your architecture in a consistent, extensible, integrated way, this book will guide you through the complexities and help you find a clear path to success.

Domain-Specific Languages (DSLs)--languages geared to specific vertical or horizontal areas of interest--are generating growing excitement from software engineers and architects. DSLs bring new agility to the creation and evolution of software, allowing selected design aspects to be expressed in terms much closer to the system requirements than standard program code, significantly reducing development costs in large-scale projects and product lines. In this breakthrough book, four leading experts reveal exactly how DSLs work, and how you can make the most of them in your environment. With Domain-Specific Development with Visual Studio DSL Tools , you'll begin by mastering DSL concepts and techniques that apply to all platforms. Next, you'll discover how to create and use DSLs with the powerful new Microsoft DSL Tools--a toolset designed by this book's authors. Learn how the DSL Tools integrate into Visual Studio--and how to define DSLs and generate Visual Designers using Visual Studio's built-in modeling technology. In-depth coverage includes Determining whether DSLs will work for you Comparing DSLs with other approaches to model-driven development Defining, tuning, and evolving DSLs: models, presentation, creation, updates, serialization, constraints, validation, and more Creating Visual Designers for new DSLs with little or no coding Multiplying productivity by generating application code from your models with easy-to-use text templates Automatically generating configuration files, resources, and other artifacts Deploying Visual Designers across the organization, quickly and easily Customizing Visual Designers for specialized process needs List of Figures List of Tables Foreword Preface About the Authors Chapter 1 Domain-Specific Development Chapter 2 Creating and Using DSLs Chapter 3 Domain Model Definition Chapter 4 Presentation Chapter 5 Creation, Deletion, and Update Behavior Chapter 6 Serialization Chapter 7 Constraints and Validation Chapter 8 Generating Artifacts Chapter 9 Deploying a DSL Chapter 10 Advanced DSL Customization Chapter 11 Designing a DSL Index

Your hands-on, step-by-step guide to learning Visual Basic 2010. Teach yourself the essential tools and techniques for Visual Basic 2010--one step at a time. No matter what your skill level, you'll find the practical guidance and examples you need to start building professional applications for Windows and the Web. Discover how to: Work in the Microsoft Visual Studio 2010 Integrated Development Environment (IDE) Master essential techniques--from managing data and variables to using inheritance and dialog boxes Create professional-looking Uis; add visual effects and print support Build compelling Web features with the Visual Web Developer tool Use Microsoft ADO.NET and advanced data presentation controls Debug your programs and handle run-time errors Use new features, such as Query Builder, and Microsoft .NET Framework For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Visual Studio Tools for Office 2007VSTO for Excel, Word, and OutlookPearson Education

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.

“Charlie and Dinesh bring important skills to this project that enable them to show how LINQ works and the practical ways you can use it in your daily development process.” From the Foreword by Anders Hejlsberg LINQ is one of Microsoft’s most exciting, powerful new development technologies. Essential LINQ is the first LINQ book written by leading members of Microsoft’s LINQ and C# teams. Writing for architects, developers, and development managers, these Microsoft insiders share their intimate understanding of LINQ, revealing new patterns and best practices for getting the most out of it. Calvert and Kulkarni begin by clearly explaining how LINQ resolves the long-time “impedance mismatch” between object-oriented code and relational databases. Next, they show how LINQ integrates querying into C# as a “first-class citizen.” Using realistic code examples, they show how LINQ provides a strongly typed, IntelliSense-aware technology for working with data from any source, including SQL databases, XML files, and generic data structures. Calvert and Kulkarni carefully explain LINQ’s transformative, composable, and declarative capabilities. By fully illuminating these three concepts, the authors allow developers to discover LINQ’s full power. In addition to covering core concepts and hands-on LINQ development in C# with LINQ to Objects, LINQ to XML, LINQ to SQL, and LINQ to Entities, they also present advanced topics and new LINQ implementations developed by the LINQ community. This book • Explains the entire lifecycle of a LINQ project: design, development, debugging, and much more • Teaches LINQ from both a practical and theoretical perspective • Leverages C# language features that simplify LINQ development • Offers developers powerful LINQ query expressions to perform virtually

any data-related task • Teaches how to query SQL databases for objects and how to modify those objects • Demonstrates effective use stored procedures and database functions with LINQ • Shows how to add business logic that reflects the specific requirements of your organization • Teaches developers to create, query, and transform XML data with LINQ • Shows how to transform object, relational, and XML data between each other • Offers best patterns and practices for writing robust, easy-to-maintain LINQ code

“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 environment ever. ASP.NET 2.0 Illustrated teaches developers exactly what they need to know to create exciting Web sites and applications quickly and easily using ASP.NET 2.0. Renowned authors, developers, and conference speakers Alex Homer and Dave Sussman have written a concise, detailed exploration of the “must learn” features of ASP.NET 2.0. The book’s many original examples, fully updated for the release version of ASP.NET 2.0, are all downloadable from the authors’ Web site, and many can be run live online. The authors provide detailed coverage of Connecting to databases, using data source and data display controls with SQL statements and stored procedures; creating business layers and data layers with custom classes and Typed DataSets; and providing declarative access to business and data layers Techniques for improving the scalability and responsiveness of data-driven sites, including caching techniques for data and ASP.NET pages Binding to XML, transforming XML, updating XML data, and managing XML data stored in SQL Server 2005 Building interactive Web forms with a wide variety of ASP.NET controls Understanding and using the core functionality of the Page class and key .NET Framework classes Providing a consistent sitewide look and feel using Master Pages Six ways to provide site navigation, including the new navigation controls Securing sites and implementing membership and roles Using profiles, personalization, and themes in your applications Building user-customizable Web portals with Web Parts Supporting multiple browsers, disabled users, mobile devices, and international users Creating and consuming Web services Developers will come away from this book knowing exactly how to build secure, efficient, visually consistent, easy-to-navigate, data-driven Web sites with ASP.NET 2.0. With SharePoint 2010, developers finally have the powerful, end-to-end development tools they need to build outstanding solutions quickly and painlessly. What’s more, those tools are built directly into the latest version of Visual Studio, the development platform most Microsoft developers already know. In this book, the Microsoft experts who created these tools show you how to take full advantage of them. The authors focus specifically on the SharePoint scenarios that Visual Studio 2010 now makes accessible to mainstream Microsoft developers. They assume no experience with SharePoint development and focus on SharePoint Foundation 2010: the low-cost version designed for organizations and departments of all kinds, not just large enterprises. SharePoint 2010 Development with Visual Studio 2010 shows how to get your solution up and running fast, and then extend it to meet your precise business requirements. You’ll learn how to develop, package, and deploy robust SharePoint business collaboration applications without any unnecessary complexity or overhead. Following a practical, developer-focused introduction to Microsoft SharePoint 2010, you’ll learn about Visual Studio 2010 templates and tools that simplify the creation of SharePoint solutions The SharePoint object model and its most frequently used methods, properties, and events Using lists to store, manage, and share data Responding to events related to lists, features, items, or workflows Integrating external data with Business Data Connectivity Services Using content types that ship with SharePoint 2010—and creating new ones Building multi-step workflows and custom forms that work with them Utilizing Web Parts to present different data and applications on the same page Customizing SharePoint pages or navigation with ASP.NET Packaging and deploying solutions, and customizing deployment to your unique requirements Whether you’re just starting out with SharePoint development, upgrading from earlier versions, or building on experience with ASP.NET, this book will help you solve real problems and get real results—fast!

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. Visual Studio Tools for Office 2007: VSTO for Excel, Word, and Outlook i.

Direct from two of the lead developers of the product comes the definitive guide to using Visual Studio Tools for Office (VSTO) 2005.



This is the eBook version of the print title, *Framework Design Guidelines, Second Edition*. Access to all the samples, applications, and content on the DVD is available through the product catalog page [www.informit.com/title/9780321545619](http://www.informit.com/title/9780321545619). Navigate to the “Downloads” tab and click on the “DVD Contents” links - see instructions in back pages of your eBook. *Framework Design Guidelines, Second Edition*, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework Guidelines for the design and extending of types and members of types Issues affecting—and guidelines for ensuring—extensibility How (and how not) to design exceptions Guidelines for—and examples of—common framework design patterns Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. *Framework Design Guidelines, Second Edition*, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the *Designing .NET Class Libraries* video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included. A guide to the development aspects of Excel covers such topics as building add-ins, creating custom charts, using class modules, handling errors, controlling external applications, and programming with databases.

“When you begin using multi-threading throughout an application, the importance of clean architecture and design is critical. . . . This places an emphasis on understanding not only the platform’s capabilities but also emerging best practices. Joe does a great job interspersing best practices alongside theory throughout his book.” – From the Foreword by Craig Mundie, Chief Research and Strategy Officer, Microsoft Corporation Author Joe Duffy has risen to the challenge of explaining how to write software that takes full advantage of concurrency and hardware parallelism. In *Concurrent Programming on Windows*, he explains how to design, implement, and maintain large-scale concurrent programs, primarily using C# and C++ for Windows. Duffy aims to give application, system, and library developers the tools and techniques needed to write efficient, safe code for multicore processors. This is important not only for the kinds of problems where concurrency is inherent and easily exploitable—such as server applications, compute-intensive image manipulation, financial analysis, simulations, and AI algorithms—but also for problems that can be speeded up using parallelism but require more effort—such as math libraries, sort routines, report generation, XML manipulation, and stream processing algorithms. *Concurrent Programming on Windows* has four major sections: The first introduces concurrency at a high level, followed by a section that focuses on the fundamental platform features, inner workings, and API details. Next, there is a section that describes common patterns, best practices, algorithms, and data structures that emerge while writing concurrent software. The final section covers many of the common system-wide architectural and process concerns of concurrent programming. This is the only book you’ll need in order to learn the best practices and common patterns for programming with concurrency on Windows and .NET.

Windows Presentation Foundation (WPF) replaces Microsoft’s diverse presentation technologies with a unified, state-of-the-art platform for building rich applications. WPF combines the best of Windows and the Web; fully integrates user interfaces, documents, and media; and leverages the full power of XML-based declarative programming. In *Essential Windows Presentation Foundation*, former WPF architect Chris Anderson systematically introduces this breakthrough platform, focusing on the concepts and techniques working developers need in order to build robust applications for real users. Drawing on his unique experience as an architect on the team, Anderson thoroughly illuminates the crucial new concepts underlying WPF and reveals how its APIs work together to offer developers unprecedented value. Through working sample code, you’ll discover how WPF draws on the Web’s simple models for markup and deployment, common frame for applications, and rich server connectivity, and on Windows’ rich client model, simple programming model, strong control over look-and-feel, and rich networking. Topics explored in depth include WPF components and architecture Key WPF design decisions—and why they matter XAML markup language Controls Layouts Visuals and media, including 2D, 3D, video, and animation Data integration Actions Styles WPF Base Services

“Based on my own experience, I can safely say that every .NET developer who reads this will have at least one ‘aha’ moment and will be a better developer for it.” —From the Foreword by Don Box The popular C# programming language combines the high productivity of rapid application development languages with the raw power of C and C++. Now, C# 3.0 adds functional programming techniques and LINQ, Language INtegrated Query. The *C# Programming Language, Third Edition*, is the authoritative and annotated technical reference for C# 3.0. Written by Anders Hejlsberg, the language’s architect, and his colleagues, Mads Torgersen, Scott Wiltamuth, and Peter Golde, this volume has been completely updated and reorganized for C# 3.0. The book provides the complete specification of the language, along with descriptions, reference materials, code samples, and annotations from nine prominent C# gurus. The many annotations—a new feature in this edition—bring a depth and breadth of understanding rarely found in any programming

book. As the main text of the book introduces the concepts of the C# language, cogent annotations explain why they are important, how they are used, how they relate to other languages, and even how they evolved. This book is the definitive, must-have reference for any developer who wants to understand C#.

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

"I come from a T-SQL background, so when I first laid my eyes on SQL Server 2005, I was shocked--and then, I was scared! I didn't have a CLR or XML background and suddenly had an urgent need to learn it. SQL Server 2005 is too big of a release to learn from the books online. Fortunately, now there is a book for developers who need to go from SQL Server 2000 to SQL Server 2005 and to do it as painlessly as possible. Basically, it's one-stop shopping for serious developers who have to get up to speed quickly. I'll keep this one on my desk--not on my bookshelf. Well done, Bob and Dan!" --Dr. Tom Moreau SQL Server MVP and Monthly Columnist SQL Server Professional, Brockman Moreau Consulting Inc. "A SQL book truly for developers, from two authorities on the subject. I'll be turning to this book first when I need to understand a component of SQL Server 2005." --Matt Milner Instructor Pluralsight "An excellent book for those of us who need to get up to speed on what's new in SQL Server 2005. The authors made sure this book includes the final information for the release version of the product. Most other books out now are based on beta versions. It covers key areas from XML and SQLCLR to Notification Services. Although the wide variety of information is great, my favorite part was the advice given on when to use what, and how performance is affected." --Laura Blood Senior Software Developer Blue Note Computing, Inc. "SQL Server 2005 is a massive release with a large number of new features. Many of these features were designed to make SQL Server a great application development platform. This book provides comprehensive information about the SQL Server features of most interest to application developers. The lucid text and wealth of examples will give a developer a clear understanding of how to use SQL Server 2005 to a whole new class of database applications. It should be on every SQL Server developer's bookshelf." --Roger Wolter Solutions Architect Microsoft Corporation "While there will be a lot of good books on SQL Server 2005 development, when people refer to the 'bible,' they'll be talking about this book." --Dr. Greg Low Senior Consultant Readify Pty Ltd "SQL Server 2005 is loaded with new features and getting a good overview is essential to understand how you can benefit from SQL Server 2005's features as a developer. Bob and Dan's book goes beyond enumerating the new SQL Server 2005 features, and will provide you with lots of good examples. They did a good job striking a balance between overview and substance." --Michiel Worries Senior Program Manager, SQL Server Microsoft Corporation Few technologies have been as eagerly anticipated as Microsoft SQL Server 2005. Now, two SQL Server insiders deliver the definitive hands-on guide--accurate, comprehensive, and packed with examples. "A Developer's Guide to SQL Server 2005" starts where Microsoft's documentation, white papers, and Web articles leave off, showing developers how to take full advantage of SQL Server 2005's key innovations. It draws on exceptional cooperation from Microsoft's SQL Server developers and the authors' extensive access to SQL Server 2005 since its earliest alpha releases. You'll find practical explanations of the new SQL Server 2005 data model, built-in .NET hosting, improved programmability, SQL:1999 compliance, and much more. Virtually every key concept is illuminated via sample code that has been fully updated for and tested with the shipping version of the product. Key coverage includes Using SQL Server 2005 as a .NET runtime host: extending the server while enhancing security, reliability, and performance Writing procedures, functions, triggers, and types in .NET languages Exploiting enhancements to T-SQL for robust error-handling, efficient queries, and improved syntax Effectively using the XML data type and XML queries Implementing native SQL Server 2005 Web Services Writing efficient, robust clients for SQL Server 2005 using ADO.NET, classic ADO, and other APIs Taking full advantage of user-defined types (UDTs), query notifications, promotable transactions, and multiple active result sets (MARS) Using SQL Management Objects (SMO), SQL Service Broker, and SQL Server Notification Services to build integrated applications

Normal 0 false false false MicrosoftInternetExplorer4 Microsoft Visual Studio 2012 significantly improves developer productivity across virtually all application lifecycle management tasks, while providing first-class support for Windows 8, Windows Phone, WindowsRT, and Windows Azure cloud development. This end-to-end deep dive will help working developers squeeze maximum productivity out of Microsoft's powerful new toolbox. The authors combine authoritative and detailed information about Microsoft's latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will quickly get comfortable with Visual Studio 2012's revamped interface and discover multiple opportunities to leverage the updated .NET 4.5 platform it supports. By focusing entirely on Visual Studio 2012 Professional, the authors have



gone deeper into Microsoft's core product than ever before. You'll find expert coverage of everything from debugging through refactoring, automation through enterprise-class development. Throughout, this book's focus is relentlessly practical: how to apply Microsoft's tools to build better software, faster. Detailed information on how to... · Use Visual Studio 2012's new interface to significantly improve your productivity · Make the most of VS 2012's new WPF-based code editor · Work with solutions, projects, browsers, explorers, and designers · Create modern "Windows Store" applications for Windows 8 and Windows RT apps with VS 2012 and Windows Runtime Library · Develop websites with ASP.NET, ASP.NET MVC, and the Razor View Engine · Create richer, smarter user interfaces for software of all types · Build robust service oriented architecture (SOA)-based systems · Construct data-centric applications with LINQ and Entity Framework · Develop SharePoint and other Microsoft Office business applications · Write Windows Azure applications that live in the cloud · Instrument, analyze, and test your software · Refactor code for greater robustness, maintainability, and performance · Leverage brand-new improvements to Windows Workflow and Windows Communication Foundation Use VS 2012's one-click web deployment capabilities Extend VS 2012 with Managed Extensibility Framework (MEF) and Automation Object Model

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

VSTO for Mere Mortals™ is for VBA developers who are interested in migrating their skills to the next generation of Office development. Readers will benefit from a straightforward, practical introduction to writing managed code applications for Word 2003, Excel 2003, and Outlook 2003. Readers will also learn how to create add-ins for the most popular applications for Office 2003 and the 2007 Microsoft Office system using VSTO 2005 SE. The expert authors provide a wealth of code samples that show off popular features of VSTO, such as smart tags and the actions pane. Sample code also shows you how to customize the new UI features of the 2007 Microsoft Office system, including the ribbon, custom task pane, and Outlook forms region. VBA developers will walk away with A greater understanding of managed code and the Visual Studio integrated development environment (IDE) Multiple demonstrations on how to create document-level customizations for Word 2003 and Excel 2003, using view controls, data binding, and the actions pane A comprehensive overview of add-in development for Outlook 2003 Useful information on securing and deploying solutions created with VSTO and VSTO 2005 SE A thorough explanation on how to migrate VBA solutions to Visual Basic 2005 and VSTO Numerous details on customizing the ribbon, custom task pane, and Outlook form regions by developing VSTO 2005 SE add-ins for the 2007 Microsoft Office system

"ClickOnce demos may look simple, but those techniques only work for simple applications. Brian Noyes gives us the information we need to use ClickOnce in the real world, and he does it with a comprehensive and organized presentation. If you expect your smart client application to move very far beyond 'Hello,World,' you'll want this book to help you deploy it." —Billy Hollis, president/owner, Elysian Consulting, Microsoft Regional Director "Once again Brian has outdone himself. As a writer, I tend to be very critical of all technical publications, including my own . . . and it is such a pleasure to read anything Brian writes because he studies his topics well, resulting in an accurate, thorough, yet concise piece of work. ClickOnce being a new technology that deals with the pains we all have with application deployment, versioning, and security, it is important to have a text that will guide you through the learning process, give you sound advice for adopting the technology, and explain why you should even care. Brian gives his readers all of that."

—Michele Leroux Bustamante, chief architect, IDesign, Microsoft Regional Director "ClickOnce is the key to Windows and smart client deployment. Brian's book is the key to successfully using ClickOnce. This book walks you through using ClickOnce, from the basics to advanced scenarios. It is an excellent resource." —Rockford Lhotka, principal technology evangelist, Magenic Technologies, Microsoft Regional Director "Brian covers ClickOnce with a view to real-world deployment issues, which is obviously based on real-world experience. In and of itself, that is enough forme to buy the book. However, it is an even better investment by virtue of thefact that ClickOnce is a core part of the .NET Framework for Windows Forms2.0 now, and Windows Presentation Foundation in the future." —Michael Weinhardt, SDK programmer/writer, Application Model,Windows Presentation Foundation, Microsoft "This book covers the most important ingredient needed for the success of a smart client application—deployment. The author's unassuming writing style,combined with his in-depth coverage of the topic, makes this book an invaluableresource for all serious smart client developers." —Vishwas Lele, principal architect, Applied Information Sciences,Microsoft Regional Director Microsoft's new ClickOnce auto-updating technology can radically simplify application deployment. Using it, .NET developers and architects can deliver a powerful, smart client experience along with the easy maintenance of today's best Web applications. Microsoft Regional Director and MVP Brian Noyes has unsurpassed experience previewing and teaching ClickOnce to professional developers. In Smart Client Deployment with ClickOnce, Noyes demonstrates

exactly how to make the most of ClickOnce in your real-world enterprise applications. Noyes covers ClickOnce design, architecture, security, installation, updates, and Bootstrapping—each with a full case study and detailed sample code. This focused, concise book explains how to Design client applications for efficient deployment and auto-updating Perform application deployments and automatic updates quickly and easily Deliver “on-demand” client application updates Deploy prerequisites with the Visual Studio 2005 Bootstrapper Take full control of ClickOnce’s powerful publishing, update, and security options Leverage the Visual Studio 2005 and .NET 2.0 platform features that make ClickOnce possible Understand how your application will behave in the ClickOnce runtime environment The book’s sample code is available for download at [www.softinsight.com/clickoncebook](http://www.softinsight.com/clickoncebook).

With SharePoint 2010, developers finally have the powerful, end-to-end development tools they need to build outstanding solutions quickly and painlessly. What's more, those tools are built directly into the latest version of Visual Studio, the development platform most Microsoft developers already know. In this book, the Microsoft experts who created these tools show you how to take full advantage of them. The authors focus specifically on the SharePoint scenarios that Visual Studio 2010 now makes accessible to mainstream Microsoft developers. They assume no experience with SharePoint devel.

Visual Studio Tools for Office 2007: VSTO for Excel, Word, and Outlook is the definitive book on VSTO 2008 programming, written by the inventors of the technology. VSTO is a set of tools that allows professional developers to use the full power of Microsoft Visual Studio 2008 and the .NET Framework to program against Microsoft Office 2007. This book delivers in one place all the information you need to succeed using VSTO to program against Word 2007, Excel 2007, and Outlook 2007, and provides the necessary background to customize Visio 2007, Publisher 2007, and PowerPoint 2007. It introduces the Office 2007 object models, covers the most commonly used objects in those object models, and will help you avoid the pitfalls caused by the COM origins of the Office object models. Developers who wish to program against Office 2003 should consult Carter and Lippert’s previous book, Visual Studio Tools for Office. In VSTO 2008, you can build add-ins for all the major Office 2007 applications, build application-level custom task panes, customize the new Office Ribbon, modify Outlook’s user interface using Form Regions, and easily deploy everything you build using ClickOnce. Carter and Lippert cover their subject matter with deft insight into the needs of .NET developers learning VSTO, based on the deep knowledge that comes from the authors’ unique perspective of living and breathing VSTO for the past six years. This book Explains the architecture of Microsoft Office programming and introduces the object models Covers the main ways Office applications are customized and extended Explores the ways of customizing Excel, Word, and Outlook, and plumbs the depths of programming with their events and object models Introduces the VSTO programming model Teaches how to use Windows Forms and WPF in VSTO and how to work with the Document Actions Pane and application-level task panes Delves into VSTO data programming and server data scenarios Teaches ClickOnce VSTO deployment This is the one book you need to succeed in programming against Office 2007. C# and Visual Basic .NET Code samples for download can be found here: <http://www.informit.com/store/product.aspx?isbn=0321533216>

“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

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](http://www.guysmithferrier.com).

"Microsoft Office InfoPath represents a revolutionary leap in XML technologies and a new paradigm for gathering business-critical information. I am delighted that Scott Roberts and Hagen Green, two distinguished members of the InfoPath product team, decided to share their experience in this book." --From the Foreword by Jean Paoli, cocreator of XML 1.0 and Microsoft Office InfoPath Microsoft Office InfoPath 2007 offers breakthrough tools for gathering, managing, and integrating business-critical information, and creating efficient forms-driven processes. Two longtime members of Microsoft's InfoPath product team have written the first comprehensive, hands-on guide to building successful XML-based solutions with InfoPath 2007. The book opens with a practical primer on the fundamentals of InfoPath form template design for information workers and application developers at all levels of experience. It then moves into advanced techniques for customizing, integrating, and extending form templates--with all the code examples and detail needed by professional developers. Learn how to: Design form templates: create blank form templates, insert and customize controls, use advanced formatting, and construct and lay out views Work with data: start with XML data or schema, manually edit data sources, and understand design-time visuals Add custom business logic to forms, and integrate them with other applications Retrieve and query data from external data sources, including XML files, databases, SharePoint lists, Web services, and ADO.NET DataSets Submit and receive form data using ADO.NET Save, preview, and publish to e-mail, SharePoint, and more Build reusable components with template parts Create workflows with SharePoint and InfoPath E-Mail Forms Administer Forms Services and Web-enabled form templates Build advanced form templates using C# form code, custom controls, add-ins, and the new InfoPath 2007 managed object model Design form templates using Visual Studio Tools for Office (VSTO) Update, secure, and optimize your form templates List of Figures List of Tables Foreword Preface About the Authors PART I: Designing Forms Chapter 1: Introduction to InfoPath 2007 Chapter 2: Basics of InfoPath Form Design Chapter 3: Working with Data Chapter 4: Advanced Controls and Customization Chapter 5: Adding Logic without Code Chapter 6: Retrieving Data from External Sources Chapter 7: Extended Features of Data Connections Chapter 8: Submitting Form Data Chapter 9: Saving and Publishing Chapter 10: Building Reusable Components Chapter 11: Security and Deployment Chapter 12: Creating Reports Chapter 13: Workflow Chapter 14: Introduction to Forms Services Part II: Advanced Form Design Chapter 15: Writing Code in InfoPath Chapter 16: Visual Studio Tools for Microsoft Office InfoPath 2007 Chapter 17: Advanced Forms Services Chapter 18: Hosting InfoPath Chapter 19: Building Custom Controls Using ActiveX Technologies Chapter 20: Add-ins Chapter 21: Importers and Exporters Appendix: Further Reading Index

Author of the influential *Relational Aesthetics* examines the dynamics of ideology Leading theorist and art curator Nicolas Bourriaud tackles the excluded, the disposable and the nature of waste by looking to the future of art—the exform. He argues that the great theoretical battles to come will be fought in the realms of ideology, psychoanalysis and art. A “realist” theory and practice must begin by uncovering the mechanisms that create the distinctions between the productive and unproductive, product and waste, and the included and excluded. To do this we must go back to the towering theorist of ideology Louis Althusser and examine how ideology conditions political discourse in ways that normalize cultural, racial and economic practices of exclusion.

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