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Microsoft Visual Studio 2015 Unleashed Windows Azure SQL Database Step by Step ASP.NET Web API 2: Building a REST Service from Start to Finish Pro ASP.NET MVC 5 Pro WCF 4 NET ASP.NET MVC 4 and the Web API ASP.NET 3.5 Enterprise Application Development with Visual Studio 2008 Professional Visual Studio Extensibility NHibernate with ASP.NET Problem Design Solution Professional C# 6 and .NET Core 1.0 Windows Communication Foundation 3.5 Unleashed Expert C# Business Objects Programming C# 4.0 Professional SQL Server 2005 CLR Programming Mastering Visual Studio .NET Practical ASP.NET Web API Managed C++ and .NET Development ASP.NET at Work Dive into Visual Studio Add-Ins Professional SharePoint 2010 Cloud-Based Solutions Pro WCF NET for Visual FoxPro Developers Professional Sitecore 8 Development Professional Windows Workflow Foundation Waves and Oscillations Programming VB .NET Microsoft Expression Blend Unleashed Professional ASP.NET Design Patterns Microsoft .NET Gadgeteer : Electronics Projects for Hobbyists and Inventors Professional Visual Studio 2005 Team System Patterns, Principles, and Practices of Domain-Driven Design Mastering Lob Development for Silverlight 5 Pro ASP.NET Web API Real World Software Configuration Management ASP.NET Kick Start Visual Studio Team System C++ VB.Net Web Developer's Guide Beginning SharePoint 2010 Development

Mastering Visual Studio .NET Feb 27 2023 This book enables intermediate and advanced programmers the kind of depth that's really needed, such as advanced window functionality, macros, advanced debugging, and add-ins, etc. With this book, developers will learn the VS.NET development environment from top to bottom.

Microsoft .NET Gadgeteer : Electronics Projects for Hobbyists and Inventors Dec 16 2021 Turn your flashes of creativity into first-rate gadgets Covers Gadgeteer for Micro Framework 4.1 and 4.2 Realize your inner innovator and rapidly build breathtaking electronic devices with Microsoft .NET Gadgeteer. By working through easy-to-follow, practical projects, you'll discover how to design, assemble, and prototype your own gadgets—all without ever lifting a soldering iron. Learn how to choose components, write Gadgeteer applications, connect your creations to the Web, and troubleshoot. Microsoft .NET Gadgeteer: Electronics Projects for Hobbyists and Inventors contains complete instructions for building your projects using money-saving mainboards and modules. Set up the development environment and tools on your PC Understand Gadgeteer mainboards, modules, and sockets Learn how the Micro Framework and Gadgeteer libraries work Download and debug your applications from your PC Learn the principles of writing structured applications for embedded projects Interface with SPI, I2C, and serial-based modules Work with Gadgeteer interfaces for serial and storage devices, graphics, networking, and web-connected devices Design touch-sensitive graphic display gadgets Create web servers and web devices

Patterns, Principles, and Practices of Domain-Driven Design Oct 14 2021 Methods for managing complex software construction following the practices, principles and patterns of Domain-Driven Design with code examples in C# This book presents the philosophy of Domain-Driven Design (DDD) in a down-to-earth and practical manner for experienced developers building applications for complex domains. A focus is placed on the principles and practices of decomposing a complex problem space as well as the implementation patterns and best practices for shaping a

maintainable solution space. You will learn how to build effective domain models through the use of tactical patterns and how to retain their integrity by applying the strategic patterns of DDD. Full end-to-end coding examples demonstrate techniques for integrating a decomposed and distributed solution space while coding best practices and patterns advise you on how to architect applications for maintenance and scale. Offers a thorough introduction to the philosophy of DDD for professional developers Includes masses of code and examples of concept in action that other books have only covered theoretically Covers the patterns of CQRS, Messaging, REST, Event Sourcing and Event-Driven Architectures Also ideal for Java developers who want to better understand the implementation of DDD

C++ Apr 07 2021

Professional ASP.NET Design Patterns Jan 17 2022 Design patterns are time-tested solutions to recurring problems, letting the designer build programs on solutions that have already proved effective Provides developers with more than a dozen ASP.NET examples showing standard design patterns and how using them helps build a richer understanding of ASP.NET architecture, as well as better ASP.NET applications Builds a solid understanding of ASP.NET architecture that can be used over and over again in many projects Covers ASP.NET code to implement many standard patterns including Model-View-Controller (MVC), ETL, Master-Master Snapshot, Master-Slave-Snapshot, Façade, Singleton, Factory, Single Access Point, Roles, Limited View, observer, page controller, common communication patterns, and more

NHibernate with ASP.NET Problem Design Solution Sep 05 2023 This Wrox Blox demonstrates how to start using NHibernate in line business applications using ASP.NET and VB.NET. Using NHibernate will speed up your application development by removing the need to build your own Data Access Layer (DAL). In addition, you can focus solely on the business problem instead of the infrastructure concerns. Using a simple demo application as an example, this Wrox Blox shows how easy it is to get started with NHibernate and build your DAL in minutes instead of hours. Readers will also see how the POCO pattern enables you to keep your DAL as unobtrusive as possible as well as being interchangeable for future DAL implementations. You will also see how NHibernate has many enterprise patterns built into it, like the Unit of Work pattern and the Identity Map. Table of Contents What Is an Object Relational Mapper? 2 Why NHibernate? 2 Part 1: Getting Started with NHibernate 2 A Quick Demo 2 Part 2: The NHibernate Framework 13 Architecture and Core Concepts 13 Mapping Your Entities: Impedance Mismatch 16 Persisting Business Objects 18 Part 3: Using NHibernate 19 Introducing the Project and Laying out the Solution Framework 19 Designing the Domain Model 23 NHibernate Repository Project: Base Class 39 Managing Products 48 Managing Customers 58 NHibernate Repository Project: Refactoring and Session Management 69 Managing Orders 74 The Database — A Question of Storage 94 Presentation with the Model-View-Presenter Pattern 96 User Interface: ASP.NET 103 Part 4: Other NHibernate Bits and Pieces 113 Other Querying Methods 113 Mapping Inheritance 115 What Kind of SQL Is Being Produced? 118 Wrap Up 119 Scott Millett 120

Professional Visual Studio Extensibility Oct 06 2023 Visual Studio is a development IDE created by Microsoft to enable easier development for Microsoft programming languages as well as development technologies. It has been the most popular IDE for working with Microsoft development products for the past 10 years. Extensibility is a key feature of Visual Studio. There have not been many books written on this aspect of Visual Studio. Visual Studio Extensibility (VSX) can be considered a hard topic to learn for many developers in comparison with most .NET related topics. Also, its APIs are very complex and not very well written. Some may refer to these APIs as “dirty” because they do not have good structure, naming convention, or consistency. Visual Studio is now 10 years old. It was created during the COM days for COM programming but later migrated to .NET. However, Visual Studio still relies heavily on COM programming. It was revamped when moving to the .NET platform but still contains its COM nature; this fact is what makes it harder for .NET developers to work with VSX. Because it is an older product built on two technologies, it has

produced inconsistency in code. Although there are problems with the current version of VSX, the future looks bright for it. The many different teams working on the software have been moved into one umbrella group known as the Visual Studio Ecosystem team. Throughout the past 10 years Visual Studio has continued to grow and new extensibility features have been added. Learning all of the options with their different purposes and implementations is not easy. Many extensibility features are broad topics such as add-ins, macros, and the new domain-specific language tools in Visual Studio. Learning these topics can be difficult because they are not closely related to general .NET programming topics. This book is for .NET developers who are interested in extending Visual Studio as their development tool. In order to understand the book you must know the following material well: Object-oriented programming (OOP), the .NET Framework and .NET programming, C# or Visual Basic languages, some familiarity with C++, some familiarity with XML and its related topics, and Visual Studio structure and usage. A familiarity with COM programming and different .NET technologies is helpful. The aims of this book are to: Provide an overview of all aspects of VSX Enable readers to know where/when to use extensibility Familiarize readers with VS Extensibility in detail Show readers the first steps and let them learn through their own experiences Use examples, sample code, and case studies to demonstrate things in such a way that helps readers understand the concepts Avoid bothering readers with long discussions and useless code samples In order to use this book, and get the most out of it, there are some technical requirements. You must have the following two packages installed on your machine to be able to read/understand the chapters and test code samples: Visual Studio 2008 Team System Edition (or other commercial editions) Visual Studio 2008 SDK 1.0 (or its newer versions) You will need to buy Visual Studio 2008 to register for an evaluation version. The Free Express editions of Visual Studio do not support the extensibility options. The Visual Studio SDK is needed in order to read some of the chapters in the book and can be downloaded as a free package. The operating system doesn't matter for the content of the book, but all code was written with Visual Studio 2008 Team System Edition in Windows Vista x86. Chapters 1, 2, and 3 will give you an introduction to the basic concepts you need to understand before you can move on to the rest of the book. Chapter 4 discusses the automation model, which is an important prerequisite for many

Professional Visual Studio 2005 Team System Nov 14 2021 A team of Microsoft insiders shows programmers how to use Visual Studio 2005 Team System, the suite of products that can be used for software modeling, design, testing, and deployment. The book focuses on practical application of the tools on code samples, development scenarios, and automation scripting. It serves as both as a step-by-step guide and as a reference for modeling, designing, and coordinating enterprise solutions at every level using Team System. The book begins with an overview of Team System and then offers nuts-and-bolts guidance on practical implementation. Code examples are provided in both VB.NET and C/C++.

Visual Studio Team System May 09 2021 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

Waves and Oscillations Apr 19 2022 This Book Explains The Various Dimensions Of Waves And Oscillations In A Simple And Systematic Manner. It Is An Unique Attempt At Presenting A Self-Contained Account Of The Subject With Step-By-Step Solutions Of A Large Number Of Problems Of Different Types. The Book Will Be Of Great Help Not Only To Undergraduate Students, But Also To Those Preparing For Various Competitive Examinations.

Microsoft Visual Studio 2015 Unleashed Jun 14 2024 Microsoft Visual Studio 2015 empowers you to write next-generation applications for any modern environment: mobile, web, cloud, universal Windows 10/8.x, database, and beyond. This end-to-end deep dive will help working developers squeeze maximum productivity out of Microsoft's powerful new toolset. 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 2015's updated interface, master its new capabilities, leverage its extensive new support for open standards, and discover multiple opportunities to leverage its .NET 4.6 platform and language improvements. By focusing entirely on Visual Studio 2015 Professional, the authors go deeper into Microsoft's core product than ever before. You'll find expert coverage of everything from debugging through deploying to Azure, IDE extension and automation through cross-platform mobile 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... Master Visual Studio 2015's updated interface and key tools: Solutions, Projects, Browsers, Explorers, Editors, and Designers to improve productivity Develop robust cross-platform mobile apps for Windows, iOS, and Android using Apache Cordova templates for Visual Studio Use the new ASP.NET 5 to build modern web solutions that run on Windows, Mac, or Linux Develop Single Page Applications (SPAs) based on HTML5 and rich client-side JavaScript frameworks such as Knockout, AngularJS, Bootstrap, and more Accelerate cloud development with the Azure SDK, QuickStart templates, and Azure management portal Create mobile service solutions using ASP.NET Web API and WCF Streamline data development across multiple platforms with Entity Framework 7 Develop modern Microsoft Office business applications Perform robust, automated unit testing as you code, increasing your confidence in changes and refactoring Extend the VS 2015 IDE and Code Editor by creating custom, productivity-enhancing solutions Download all examples and source code presented in this book from informit.com/title/9780672337369 as they become available.

Expert C# Business Objects Jun 02 2023 * Rocky Lhotka is a very influential speaker and publisher in this area. * Lhotka's previous editions have established his own market position. * This is the C# version of Lhotka's ideas - in the language most people will need it. Lhotka continues to present this book as his flagship IP in his speaking career.

Mastering Lob Development for Silverlight 5 Sep 12 2021 This highly practical, expert level tutorial teaches you to build a Line of Business application with the aid of a case study which gradually builds throughout the book. It also includes a jumpstart chapter for developers coming from other technologies. If you already have a firm grasp of Silverlight development and are keen to advance your specialist knowledge of Line of Business (LOB) application development, then Expert Line of Business Application Development for Silverlight 5: Quick Start Guide is for you. If you are a developer with experience of other technologies, you may also find this book useful.

VB.Net Web Developer's Guide Mar 07 2021 Visual Basic has long been the language of choice when designing Windows-based applications and the Web. Touted as both the most popular and productive computing language, Visual Basic has amassed quite a following of devoted programmers, and is a sought after programming skill. With the introduction of .NET Enterprise, Microsoft launch VB.NET, offering a streamlined, simplified version of Visual Basic language. With increased power, scalability, functionality and reliability, VB.NET is positioned to be the most productive tool in a programmer's toolbox. VB.NET Developer's Guide is written for previous Visual Basic Programmers looking to harness the power of the new features

and functionality incorporated in Visual Basic.NET. Timely coverage of newly released product which Visual Basic users will be eager to learn VB.NET Developer's Guide is one of the first comprehensive reference for programmers and developers anxious to learn about the new technology

Professional C# 6 and .NET Core 1.0 Aug 04 2023 A true professional's guide to C# 6 Professional C# 6 and .NET Core 1.0 provides complete coverage of the latest updates, features, and capabilities, giving you everything you need for C#. Get expert instruction on the latest changes to Visual Studio 2015, Windows Runtime, ADO.NET, ASP.NET, Windows Store Apps, Windows Workflow Foundation, and more, with clear explanations, no-nonsense pacing, and valuable expert insight. This incredibly useful guide serves as both tutorial and desk reference, providing a professional-level review of C# architecture and its application in a number of areas. You'll gain a solid background in managed code and .NET constructs within the context of the 2015 release, so you can get acclimated quickly and get back to work. The new updates can actively streamline your workflow, with major changes including reimagined C# refactoring support, a new .NET Web app stack, and the .NET compiler platform that makes C# and Visual Basic compilers available as APIs. This book walks you through the changes with a comprehensive C# review. Explore the new Visual Studio templates for ASP.NET Core 1.0, Web Forms, and MVC Learn about the networking switch to HttpClient and ASP.NET Web API's replacement of WCF Data Services Work with the latest updates to the event log, Windows Runtime 2.0, and Windows 8.1 deployment and localization Dig deep into the new .NET 5.0 GC behaviors and the Migrations addition to ADO.NET Microsoft has stepped up both the cadence and magnitude of their software releases. Professional C# 6 and .NET Core 1.0 shows you everything you need to know about working with C# in a real-world context.

Dive into Visual Studio Add-Ins Oct 26 2022 This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

ASP.NET Web API 2: Building a REST Service from Start to Finish Apr 12 2024 The ASP.NET MVC Framework has always been a good platform on which to implement REST-based services, but the introduction of the ASP.NET Web API Framework raised the bar to a whole new level. Now in release version 2.1, the Web API Framework has evolved into a powerful and refreshingly usable platform. This concise book provides technical background and guidance that will enable you to best use the ASP.NET Web API 2 Framework to build world-class REST services. New content in this edition includes: New capabilities in Web API 2 (currently version 2.1). Support for partial updates, or PATCH. API versioning. Support for legacy SOAP-based operations. How to handle non-resource APIs using REST How to best expose relationships between resources JSON Web Tokens, CORS, CSRF Get ready for authors Jamie Kurtz and Brian Wortman to take you from zero to REST service hero in no time at all. No prior experience with ASP.NET Web API is required; all Web API-related concepts are introduced from basic principles and developed to the point where you can use them in a production system. A good working knowledge of C# and the .NET Framework are the only prerequisites to best benefit from this book.

Professional Sitecore 8 Development Jun 21 2022 Structure templates and content within Sitecore, work with integrated tools, and leverage its extensive automation capabilities. Sitecore was recently recognized as one of the most reputable and reliable, enterprise-class web content management solutions (WCMS) available in the marketplace. Thousands of companies are using Sitecore to manage their digital experiences online. Because Sitecore is such a large, complex platform, developers often have a hard time coming up to speed, even after completing a Sitecore training course for developers. However, leveraging the design patterns and other practices laid out in this book will make that transition much easier. Professional Sitecore 8 Development provides a soup-to-nuts approach for a Sitecore rookie to come up to speed quickly, as well as provide more

advanced techniques for seasoned veterans that they may not be exposed to otherwise. Key coverage areas include: Getting started with Sitecore development Front-end development techniques Incorporating design patterns into your Sitecore solutions Unit testing Sitecore applications Programming Sitecore's marketing capabilities Sitecore automation with PowerShell Advanced development techniques What you'll learn Develop solutions on the Sitecore platform Come up to speed on Sitecore without going through a training class Build front-end (HTML, CSS, Angular, etc.) solutions as well as back-end (C#) solutions on Sitecore Incorporate design patterns into your Sitecore solutions Make use of advanced Sitecore development techniques Who This Book Is For The book is a developer's companion, both front end and back end developers. The target audience is both developers who have zero Sitecore experience, as well as seasoned veterans looking for advanced best practices. A secondary audience would be Sitecore administrators who would benefit from discussions around performance tuning and security.

ASP.NET MVC 4 and the Web API Dec 08 2023 This one hundred page book focuses exclusively on how you can best use the ASP.NET MVC 4 Framework to build world-class REST services using the Web API. It sets aside much of what the ASP.NET MVC Framework can do, and focuses exclusively on how the Web API can help you build web services. You will not find any help on CSS, HTML, JavaScript, or jQuery. Nor will you find any help on the Razor view engine, HTML Helpers, or model binding. If you need this information then Pro ASP.NET MVC 4 is your perfect book. *ASP.NET MVC 4 and the Web API: Building a REST Service from Start to Finish* helps you build cutting-edge REST services using ASP.NET MVC 4 and the Web API in more depth and detail than any other resource. ASP.NET MVC has always been a good platform on which to implement REST, but with the advent of the Web API it has now become even better. This book will show you why it's great and how to get the most from it. Author Jamie Kurtz will take you from zero to full-blown REST service hero in no time at all. And you'll even learn how to incorporate some popular open source tools along the way: little or no experience with ASP.NET or the MVC Framework is required.

Professional Windows Workflow Foundation May 21 2022 If you want to gain the skills to build Windows Workflow Foundation solutions, then this is the book for you. It provides you with a clear, practical guide on how to develop workflow-based software and integrate it into existing technology landscapes. Throughout the pages, you'll also find numerous real-world examples and sample code that will help you to get started quickly. Each major area of Windows Workflow Foundation is explored in depth along with some of the fundamentals operations related to generic workflow applications. You'll also find detailed coverage on how to develop workflow in Visual Studio(r), extend the framework with custom code, and utilize the framework with Microsoft(r) technologies such as SharePoint(r) 2007 and Windows Communication Foundation (WCF). You'll then be able to use Windows Workflow Foundation to create innovative business solutions that provide value to organizations. What you will learn from this book * The different areas of the Windows Workflow Foundation architecture * Details about workflow hosting, execution, and communication * How to build workflow-based solutions without constructing the underlying workflow logic * Tips for developing solutions using the out-of-the-box functionality * Techniques for extending the base APIs * How to apply each piece of the Windows Workflow Foundation platform to real-world scenarios * Best practices for debugging workflows Who this book is for This book is for developers and architects interested in learning more about Windows Workflow Foundation. You should have some familiarity with the .NET Framework.

Practical ASP.NET Web API Jan 29 2023 *Practical ASP.NET Web API* provides you with a hands-on and code-focused demonstration of the ASP.NET Web API in action. From the very beginning, you'll be writing working code in order to see best practices and concepts in action. As the book progresses, the concepts and code will become more sophisticated. Beginning with an overview of the web service model in general and Web API in particular, you'll progress quickly to a detailed exploration of the request binding and response formatting that lie at the heart of Web API. You'll investigate various scenarios and see how they can be manipulated to achieve the results you need. Later in the book more sophisticated themes will

be introduced that will set your applications apart from the crowd. You'll learn how you can validate the request messages on arrival, how you can create loosely coupled controllers, extend the pipeline processing to compartmentalize your code for security and unit testing before being put onto a live hosting server. What you'll learn What ASP.NET Web API is and how it can be used effectively Ways to optimize your code for readability and performance What controller dependencies are and why they matter How to maintain robust security across your projects Reliable best-practices for using Web API in a professional context Who this book is for The book is ideal for any .NET developer who wants to learn how the ASP.NET Web API framework works in a realistic setting. A good working knowledge of C# and the .NET framework and a familiarity with Visual Studio are the only pre-requisites to benefit from this book Table of Contents Building a Basic Web API Debugging HTTP Formatting CLR Objects into HTTP Response Customizing Response Binding HTTP Request into CLR Objects Validating Request Managing Controller Dependencies Extending Pipeline Hosting ASP.NET Web API Securing ASP.NET Web API Consuming ASP.NET Web API Building Performant Web API

Pro WCF Aug 24 2022 Part of Microsoft's radical new WinFX API is the foundation code-named Indigo, now commonly known as Windows Communication Foundation (WCF). WCF technology allows web developers to create services that communicate and interoperate with each other and other programs and applications. This text is real-world oriented, offering a practical WCF programming model, and chapters on creating a WCF web service; hosting and consuming WCF services; deploying and managing WCF services; reliable messaging and queue management, and WCF Security. As there are currently few books available on WCF, this book will be useful to WCF developers, who tend to be early adopters.

ASP.NET 3.5 Enterprise Application Development with Visual Studio 2008 Nov 07 2023 This book provides a step-by-step guide for developing an ASP.NET 3.5 application using the latest features in Visual Studio 2008. The Problem Design Solution series by Wrox is unique because it describes a large case study and builds an entire solution chapter by chapter for each incremental step. This book uses a wide variety of new features in Visual Studio 2008, explains each in detail, and produces a solution that you can use as a starting point for your own applications. If you are responsible for designing or developing enterprise-wide applications, departmental applications, portals, or any line of business application, then this book is for you. Many applications have a similar set of features, and this book builds an application with some of the most common features of enterprise applications. Let's face it: Every application has the same general set of features, but implemented in a different way. A database sits in the back end and you, as the developer, are responsible for enabling users to add, update, select, and delete records. If only it were that simple, no? The real development work starts when you sit with users and try to understand the business process and why they need a new or improved system in the first place. A lot of companies have departments that use Excel and Access wizards to create small systems that eventually become a lifeline for some part of the business. Usually something bad happens because of the nature of the tool they are using. Senior-level management is called in, project managers are hired, programmers are contracted, and the Project Management Office (PMO) is called to save the world. Suddenly this loosely defined process is high priority and people want documented standard operating procedures, audit reports, more productivity, less people, and of course a system that can do it all, which is where you come in. When you think about it, it's a pretty daunting task. You're expected to become an expert in someone else's business process, flaws and all, and create a system that the company will rely on as the backbone for their existence. OK, maybe I'm exaggerating just a little bit, but when you go looking for that raise you might want to phrase it that way. This book will give you the tools necessary to build a framework that can be extended to create a solution to solve your company's problems. The design pattern uses the normal three layers, the user interface (UI), the business logic layer (BLL), and the data access layer (DAL), but also builds the classes in each layer that encapsulate common business rules such as role-based security, workflow, reporting, dynamic menus, data entry, dynamic querying, notifications, exception handling, and auditing. As the book guides you through the complete solution, each business requirement is thoroughly examined and

some of the latest enhancements in ASP.NET 3.5 and Visual Studio 2008 are used to implement them in a reusable framework. Enterprise applications are typically complex, and the teams that build enterprise applications come in all shapes and sizes. Some of the roles include a project sponsor, a project manager, business analysts, an architect, UI developers, middle-tier developers, database developers, and, if you're really lucky, testers. Just a side note: Users are not testers. If you ever have the pleasure of working with professional testers, you'll realize how important they are in the process, and how they truly are "quality" assurance engineers. Unfortunately, a lot of companies aren't willing to invest in professional testers, so the users and/or developers end up assuming that role. This book is mainly focused on the architect and developers, but testers may find it valuable as well to help them understand the plumbing that goes into developing and architecting an enterprise application. This book is for the intermediate to senior level developer or system architect. It would be helpful if you have experience with Visual Studio, the .NET Framework, ASP.NET, and C# because that is what the samples are written in, but the design pattern could be used in any language. The book is focused on enterprise applications, but the pattern could be used for any type of application that has a web front end and connects to a database. The application framework built in this book provides a foundation that can be extended to meet the specific business needs of your organization. The sample application in this book is built using Visual Studio 2008, ASP.NET 3.5, C#, and SQL Server 2005. Each chapter goes into great detail, with plenty of code samples, and uses some of the new features in Visual Studio 2008 and the language enhancements in the .NET Framework 3.5. The solution includes examples for technologies such as LINQ to SQL, master pages, custom controls, GridView, business objects, data objects, and Crystal Reports. Some of the language enhancements discussed include LINQ, extension methods, partial methods, automatic properties, anonymous types, lambda expressions, and object initializers. Of course, I realize that the code is what most developers are interested in, and each chapter provides numerous examples. The Problem Design Solution series is just that. Each chapter has three sections with a description of the problem to be addressed, the design considerations for choosing a solution for the problem, and the solution that ultimately addresses the problem. The solution includes the bulk of the code. Each chapter builds upon the previous chapter, and it is recommended that you read them in order. The base classes that are described in the first few chapters are critical to an understanding of the rest of the book. Later chapters build upon the base classes and extend their functionality in all three layers of the application.

ASP.NET at Work Nov 26 2002 Discover how to use ASP.NET to build, deploy, and run 10 distributed Web applications that can target any browser on any device ASP.NET provides developers with the functionality they need to create enterprise-level Web applications. This book clearly shows them how to use this framework to create the top ten enterprise applications that they will need for their organizations. To build these applications, Smith explains how to combine the functionality of ASP.NET with products and technologies such as VB.NET, C#, ADO.NET, SQL Server 2000, WAP, XML, HTML, JavaScript, and Cascading Style Sheets (CSS). The projects include an address book application, a contact manager application, advertising manager, online store, and a Web log analyzer. CD-ROM includes the complete source code for the ten projects, additional resource links, corrections, and FAQs. Companion Web site features a working version of the ten projects built in the book. Microsoft Technologies .NET Platform: The next big overhaul to Microsoft's technologies that will bring enterprise distributed computing to the next level by fully integrating the Internet into the development platform. This will allow interaction between any machine, on any platform, and on any device. Visual Basic.NET: The update to this popular visual programming language will offer greater Web functionality, more sophisticated object-oriented language features, links to Microsoft's new common runtime, and a new interface. ASP.NET: A programming framework (formerly known as Active Server Pages) for building powerful Web-based enterprise applications; can be programmed using VB.NET or C#. C#: Microsoft's new truly object-oriented programming language that builds on the strengths of C++ and the ease of Visual Basic; promises to give Sun's Java a run for its money. Visit our Web site at

www.wiley.com/compbooks/ Visit the author's Web site at www.10projectswithasp.net Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Professional SharePoint 2010 Cloud-Based Solutions Sep 24 2022 An authoritative guide to extending SharePoint's power with cloud-based services If you want to be part of the next major shift in the IT industry, you'll want this book. Melding two of the hottest trends in the industry—the widespread popularity of the SharePoint collaboration platform and the rapid rise of cloud computing—this practical guide shows developers how to extend their SharePoint solutions with the cloud's almost limitless capabilities. See how to get started, discover smart ways to leverage cloud data and services through Azure, start incorporating Twitter or LinkedIn into your solutions, find the best ways to secure everything, and much more. Shows developers how to use Microsoft SharePoint 2010 to create scalable, cloud-based solutions Melds the hottest new trend in the industry—developing, hosting, managing, or storing code in the cloud—with what SharePoint developers need to know to weave these technologies into their solutions Provides developer patterns, real-world examples, and invaluable walkthroughs Topics include SQL Azure for data management and BI, building an Azure-based corporate tax service, connecting Linked In and SharePoint profile data, creating a filterable Twitter dashboard, leveraging Bing Maps Geo services, maintaining security, and more SharePoint developers, discover exciting new ways to extend SharePoint's functionality with this practical and content-rich guide.

Real World Software Configuration Management Jul 11 2021 Designed for use Visual Studio .NET/6.0, Visual SourceSafe 6.0c, and CVS 1.11, Real World Software Configuration Management provides an extensive overview on software configuration and development, accompanied by numerous real-world examples with lots of working code. While other books may spend a lot of time on software configuration management theory, Sean Kenefick focuses on practical solutions and processes that directly benefit developers in their day-to-day needs.

Windows Azure SQL Database Step by Step May 13 2024 Your hands-on guide to Azure SQL Database fundamentals Expand your expertise—and teach yourself the fundamentals of Microsoft Azure SQL Database. If you have previous programming experience but are new to Azure, this tutorial delivers the step-by-step guidance and coding exercises you need to master core topics and techniques. Discover how to: Perform Azure setup and configuration Explore design and security considerations Use programming and reporting services Migrate data Backup and sync data Work with scalability and high performance Understand the differences between SQL Server and Microsoft Azure SQL Database

ASP.NET Kick Start Jun 09 2021 This self-teaching guide explains how to write server-side components for dynamic, interactive Web pages and powerful Web-based applications that are easy to develop and modify. It comes complete with key points, background information, quizzes at the end of each chapter, and a final exam.

Windows Communication Foundation 3.5 Unleashed Jul 03 2023 Windows Communication Foundation (WCF) is Microsoft's dynamic technology for allowing autonomous software to communicate. Superseding earlier technologies such as COM/DCOM, .NET Remoting, ASP.NET Web Services, and the Web Services Enhancements for .NET, WCF provides a single solution that is designed to always be the best way to exchange data among software entities. It also provides the infrastructure for developing the next generation of Web Services, with support for the WS-* family of specifications, and a new serialization system for enhanced performance. In the 3.5 release, WCF has been expanded to include support for REST, JSON, and Syndication (RSS and Atom) services, further broadening the possibilities for what can be done. For information technology professionals, WCF supplies an impressive array of administration tools that enterprises and software vendors can use to reduce the cost of ownership of their solutions without writing a single line of code. Most important, WCF delivers on the promise of model-driven software development with the new software factory approach, by which one can iteratively design solutions in a modeling language and generate executables from lower-level class

libraries. Windows Communication Foundation 3.5 Unleashed is designed to be the essential resource for software developers and architects working with WCF. The book guides readers through a conceptual understanding of all the facilities of WCF and provides step-by-step guides to applying the technology to practical problems. As evangelists at Microsoft for WCF, WF, and CardSpace, Craig McMurtry, Marc Mercuri, Nigel Watling, and Matt Winkler are uniquely positioned to write this book. They had access to the development team and to the product as it was being built. Their work with enterprises and outside software vendors has given them unique insight into how others see the software, how they want to apply it, and the challenges they face in doing so. --Gives you nearly 100 best practices for programming with WCF --Provides detailed coverage of how to version services that you will not find anywhere else --Delves into using WCF together with Windows Workflow Foundation (WF) and Windows CardSpace -- Provides detailed coverage of the new high-performance data contract serializer for .NET --Walks you through creating secure, reliable, transacted messaging, and how to understand the available options --Introduces you to federated, claims-based security and shows you how to incorporate SAML and WS-Trust security token services into your architecture --Provides step-by-step instructions for how to customize every aspect of WCF -- Shows you how to add behaviors, communication channels, message encoders, and transports --Presents options for implementing publish/subscribe solutions --Gives clear guidance on peer-to-peer communications with WCF

Programming C# 4.0 May 01 2023 With its support for dynamic programming, C# 4.0 continues to evolve as a versatile language on its own. But when C# is used with .NET Framework 4, the combination is incredibly powerful. This bestselling tutorial shows you how to build web, desktop, and rich Internet applications using C# 4.0 with .NET's database capabilities, UI framework (WPF), extensive communication services (WCF), and more. In this sixth edition, .NET experts Ian Griffiths, Matthew Adams, and Jesse Liberty cover the latest enhancements to C#, as well as the fundamentals of both the language and framework. You'll learn concurrent programming with C# 4.0, and how to use .NET tools such as the Entity Framework for easier data access, and the Silverlight platform for browser-based RIA development. Learn C# fundamentals, such as variables, flow control, loops, and methods Build complex programs with object-oriented and functional programming techniques Process large collections of data with the native query features in LINQ Communicate across networks with Windows Communication Foundation (WCF) Learn the advantages of C# 4.0's dynamic language features Build interactive Windows applications with Windows Presentation Foundation (WPF) Create rich web applications with Silverlight and ASP.NET

Pro ASP.NET Web API Aug 12 2021 Pro ASP.NET Web API shows you how to build flexible, extensible web services that run seamlessly on a range of operating systems and devices, from desktops to tablets to smart phones—even the ones we don't know today. ASP.NET Web API is a new framework designed to simplify web service architecture. So if you're tired of interoperability issues between inflexible web services and clients tied to specific platforms or programming languages, or if you've ever struggled with WCF, this book is for you. To start with, you'll get up to speed on Web API's modern HTTP programming model, REST and your hosting options. You'll then dive into building a real application over a series of three chapters, so you can get an immediate feel for how this technology works in practice. The second half of the book features dedicated chapters on topics like routing, controllers, validation and tracing, and the authors close with discussions on performance, hosting and an all-important look at unit testing to help you prepare your application for the real world. ASP.NET Web API makes HTTP a first-class citizen of .NET. With Pro ASP.NET Web API, you can build HTTP-based web services for your company or business, expose your data to the world across different formats and devices and gain the best possible global reach for your application.

Pro WCF 4 Feb 10 2024 Pro WCF 4.0: Practical Microsoft SOA Implementation is a complete guide to Windows Communication Foundation from the service-oriented architecture (SOA) perspective, showing you why WCF is important to service-oriented architecture and development. This book

provides deep insight into the functionality of WCF, which shipped with .NET 4.0-like service discovery, routing service, simplified configuration, and other advanced features. Included in this title are informative examples that will aid the reader in understanding and implementing these important additions. This book also covers the unified programming model, reliable messaging, security, and the peer-to-peer programming model. You'll also learn how to move your current .NET remoting and web service applications to WCF, and how to integrate those applications with WCF 4. This book offers genuine insight into solving real enterprise problems using WCF and .NET 4.0.

NET Jan 09 2024 bull; There are many books on Software Engineering, and many books on .NET, but this is the first to bring them together bull; The authors use an extended case study, with each chapter building on the previous one, involving readers at every stage bull; By the end the reader has created a really cool working imaging application while learning best practices of software development in .NET

Pro ASP.NET MVC 5 Mar 11 2024 The ASP.NET MVC 5 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET. ASP.NET MVC 5 contains a number of advances over previous versions, including the ability to define routes using C# attributes and the ability to override filters. The user experience of building MVC applications has also been substantially improved. The new, more tightly integrated, Visual Studio 2013 IDE has been created specifically with MVC application development in mind and provides a full suite of tools to improve development times and assist in reporting, debugging and deploying your code. The popular Bootstrap JavaScript library has also now been included natively within MVC 5 providing you, the developer, with a wider range of multi-platform CSS and HTML5 options than ever before without the penalty of having to load-in third party libraries.

Managed C++ and .NET Development Dec 28 2022 This is truly a .NET book applying C++ as its development language -- not another C++ syntax book which happens to cover .NET.

Beginning SharePoint 2010 Development Feb 03 2021 Discover how to take advantage of the many new features in SharePoint 2010 SharePoint 2010 is a significant leap forward from the 2007 release, and 'you will find that there are a ton of features built into the platform for you to leverage in your solution development. Because SharePoint is a broad platform that covers a lot, this book also covers quite a bit of ground. As a Wrox Beginning book, the goal of Beginning SharePoint 2010 Development is to get you started with many of the fundamentals so that you can continue on to advanced programming beyond this book. The book's goal is to quickly take you from the basics of SharePoint, to installing and configuring a development environment, and then into how you can develop for SharePoint. The book is heavy on coding exercises, but tries to stick to a common set of .NET patterns to ensure you walk away with understanding the different ways in which you can code for SharePoint. Moving from beginning to advanced means that you can expect the walkthroughs and chapters to become increasingly more complex within each chapter and throughout the book. The walkthroughs have been created to be concise and to guide you through all of the steps you must accomplish to complete a coding task. Beginning SharePoint 2010 Development is aimed at the developer who is new to SharePoint. The book assumes you have some programming experience and a passion to learn how to develop for SharePoint. But this book does not assume that you've programmed against SharePoint before. With regard to your general development background, the two assumptions in this book are that you have some familiarity with Web development, and you have an understanding of .NET programming. With regard to Web development, this book assumes that you understand HTML, and may have an understanding of Cascading Style Sheets (CSS), Extensible Markup Language/Extensible Stylesheet Language (XML/XSL), and dynamic languages such as JavaScript. You may have a light understanding of ASP.NET and are looking to apply this knowledge to the SharePoint space. In any case, you have some understanding of the fundamentals of Web and .NET development, and are looking to apply those to the SharePoint space.

Professional SQL Server 2005 CLR Programming Mar 31 2023 SQL Server 2005 offers the capability to write code in a .NET language that can be compiled and run inside SQL Server. CLR Integration, or SQL CLR, lets you create stored procedures, user-defined types, triggers, table valued functions, and aggregates using a .NET managed language. You can read and write to resources outside of SQL Server and enjoy a tighter integration with XML, web services, and simple file and logging capabilities. Here's the reference you'll want on your desk as you develop SQL CLR solutions. It helps you decide whether to use SQL CLR, how to lock down security, and learn from real examples. If you want to develop stored procedures or other objects in .NET for SQL Server 2005, this book offers exactly what you need. What you will learn from this book The concepts and architecture of SQL CLR Uses of .NET namespaces in SQL Server programming tasks How to develop and benchmark routines in T-SQL and .NET to determine when CLR-based solutions are advantageous How to replace extended stored procedures using SQL CLR stored procedures How to use SQL CLR objects in external applications How to restrict and secure SQL CLR object capabilities Processes and procedures for deploying SQL CLR objects Who this book is for This book is for developers and architects who are familiar with .NET concepts as well as DBAs who, although developers in their own right, may be slightly less up to date on .NET. A solid grounding in T-SQL 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.

Microsoft Expression Blend Unleashed Feb 15 2022 Microsoft Expression Blend Unleashed is about learning a new tool for designers, but also learning a new mindset for developers. Expression Blend enables the delivery of rich interactive applications, for the web as well as the desktop, allowing you to take graphical assets and blend them with functional .NET code through the power of XAML and the WPF platform. Microsoft Expression Blend Unleashed also features a C# Primer, introducing designers to the .NET Framework. .NET allows the reader to extend the functionality of many of the WPF elements used in Expression Blend. The most important concept for the reader to grasp is that Blend and Visual Studio together are about facilitating the kind of user experience everyone wants from the applications they use. This book will give you the skill set whether you are a designer or developer; from there, you just need to use a little imagination. Detailed information on how to... Design and develop WPF applications Use Blend's animation workflows Design and implement WPF template types Create and manage Resource Dictionaries Master WPF Style templates Handle control events Understand advanced control properties in XAML/Blend/C# Create customized controls through inheritance Understand the fundamentals of XAML-based design and development Implement effective XML, CLR Data binding, and XAML template binding Extend XAML functionality with C# code Implement video and audio in your applications Use Blend as part of your designer/developer workflow

NET for Visual FoxPro Developers Jul 23 2022 If you're simply curious about what .NET offers, this book provides a strong overview of the .NET Framework and the C# and Visual Basic .NET languages, helping you to assess these new technologies through the lens of Visual FoxPro. If you're already "sold" and are ready to learn specifics about how to use .NET in your software development projects, this book provides plenty of "how to", "step-by-step" and "best practices" information that will help you climb the .NET learning curve and get up and running quickly.

Programming VB .NET Mar 19 2022 In *Programming VB .NET: A Guide for Experienced Programmers*, authors Gary Cornell and Jonathan Morrison carefully explain the exciting features of Visual Basic .NET. Since VB .NET is, for all practical purposes, a whole new language even for the most experienced Visual Basic programmers, developers need to think differently about many familiar topics. Cornell and Morrison are there to help you with careful discussions of each topic. Cornell and Morrison write from the point of view of the experienced programmer, with constant references to

the changes from earlier versions of VB. Developers learn how to use VB .NET for database programming through ADO.NET and web programming through ASP.NET. After reading Programming VB .NET: A Guide for Experienced Programmers, developers will have a firm grasp of the exciting VB .NET language and its uses in creating powerful .NET applications.