

Pluralsight Visual Studio Data Tools For Developers

Early in his software developer career, John Sonmez discovered that technical knowledge alone isn't enough to break through to the next income level - developers need "soft skills" like the ability to learn new technologies just in time, communicate clearly with management and consulting clients, negotiate a fair hourly rate, and unite teammates and coworkers in working toward a common goal. Today John helps more than a million programmers every year to increase their income by developing this unique blend of skills. Who Should Read This Book? Entry-Level Developers - This book is for those who have the technical skills your future boss is looking for, create a resume that leaps off a hiring manager's desk, and escape the "no work experience" trap. Mid-Career Developers - You'll see how to find and fill in gaps in your technical knowledge, position yourself as the one team member your boss can't live without, and turn those dreaded annual reviews into chance to make an iron-clad case for your salary bump. Senior Developers - This book will show you how to become a specialist who can command above-market wages, how building a name for yourself can make opportunities come to you, and how to decide whether consulting or entrepreneurship are paths you should pursue. Brand New Developers - In this book you'll discover what it's like to be a professional software developer, how to go from "I know some code" to possessing the skills to work on a development team, how to speed along your learning by avoiding common beginner traps, and how to decide whether you should invest in a programming degree or "bootcamp".- Summary AngularJS In Action covers everything you need to know to get started with the AngularJS framework. As you read, you'll explore all the individual components of the framework and learn how to customize and extend them. You'll discover the emerging patterns for web application architecture and tackle required tasks like communicating with a web server back-end. Along the way, you'll see AngularJS in action by building real world applications with thoroughly commented code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology AngularJS is a JavaScript-based framework that extends HTML, so you can create dynamic, interactive web applications in the same way you create standard static pages. Out of the box, Angular provides most of the functionality you'll need for basic apps, but you won't want to stop there. Intuitive, easy to customize, and test-friendly, Angular practically begs you to build more interesting apps. About the Book AngularJS in Action teaches you everything you need to get started with AngularJS. As you read, you'll learn to build interactive single-page web interfaces, apply emerging patterns like MVVM, and tackle key tasks like communicating with back-end servers. All examples are supported by clear explanations and illustrations along with fully annotated code listings. This book assumes you know at least some JavaScript. No prior exposure to AngularJS is required. What's Inside Get started with AngularJS Write your own components Best practices for application architecture Progressively build a full-featured application Covers Angular JS 1.3 sample application updated to the latest version of Angular About the Author Luke Hobbes is a full-time web developer and an active contributor to the AngularJS community. Table of Contents PART 1 GET ACQUAINTED WITH ANGULARJS Hello AngularJS Structuring your AngularJS applicationPART 2 MAKE SOMETHING WITH ANGULARJS Views and controllers Models and services Directives Animations Structuring your site with routes Forms and validations APPENDIXES Setting up Karma Setting up a NodeJS server Setting up a Firebase server Running the app Build a seamless, flexible, full-service datacenter solution Microsoft Windows Server 2016 Hyper-V is the IT administrator's guide to this rising datacenter solution. Hyper-V has already surpassed VMware in datacenter management, identity service for multiple devices, and more; this book shows you how to harness the power of this hypervisor to simplify the infrastructure, reduce costs, improve productivity, and better manage system resources. From a tour of the technology through architecture, deployment, and integration of System Center, Microsoft Azure, and Microsoft Azure Stack, the discussion illustrates the skills you need to create a complete solution for optimum enterprise management. Coverage includes Windows Azure capabilities for virtual machines, managing a hybrid cloud, IaaS, storage capabilities, PowerShell, and more, with practical real-world guidance from a leading authority in the field. Hyper-V has recently undergone improvements in scalability and features that have positioned it as an ideal solution in the Small/Medium Business and Enterprise markets. This book shows you how to exploit these new capabilities to build a robust data solution for your organization. Discover the capabilities of Microsoft Hyper-V Architect a Hyper-V datacenter solution Plan and manage a deployment or migration Integrate complementary technologies for full scalability Data is everywhere—on desktops, laptops, phones, and multiple operating systems, accessed through email, text messages, web searches, online services, and more. All of this data must be stored, accessible, updated, backed up, secured, managed, sorted, and analyzed—sometimes instantly. Hyper-V is the rising star in the virtualization space, and Microsoft Windows Server 2016 Hyper-V shows you how to turn greater capabilities into better datacenter solutions.

This book is ideal for IT professionals who have some experience with SQL Server or Database but are looking for a rich hands-on resource with guidance to explore each of the Azure SQL administrator concepts and the solutions the cloud provider offers. The book is primarily designed for Cloud DBAs (with ample knowledge of SQL Server) who are now to Azure and want to have a solid start and get an in-depth glimpse on advanced topics that will help them to solve day-to-day issues plus effectively support the Azure databases. Administering Relational Databases on Microsoft Azure takes readers through a complete tour of understanding fundamental Azure concepts, Azure SQL administration, Azure Management tools, and techniques. This book will give an edge over to clear DP 300 exam. Increasingly, we continue to flood with information about the importance of the cloud. Azure cloud computing is everywhere, but not everyone knows exactly what it is and where to get started. We try to focus more on Azure SQL and give you the foundational understanding of what the cloud really is and tell you how some of the cloud technologies can work for you, and direct you to improve your knowledge and get certified with hassle-free learning. If you find it is for you, you will pick up useful tricks and tips for making a move to the cloud as seamless as possible. It is never too late to turn the corner from "On-premise DBA" to "Cloud DBA specialist". In most technical discussions, we see a vast gap in cloud adoption and the reality of absorption. There is always a need to learn the Next-Gen technology. In this book, you explore the importance of understanding and managing cloud databases and the skills you must build around the Cloud to face the cloud DBA certification. In addition, along the way, you will pick up great interesting insights, real-time scenarios and fundamentals, concepts of Cloud, cloud management tools, test cases, and several practice solutions.

Professional ASP.NET 4, Professional C# 4, VB 2010 Programmer's Ref, WPF Programmer's Ref, Professional Visual Studio 2010

Head First C#

Building Data Centric Apps with the ADO.NET Entity Framework

Patterns and Practices for Developing Maintainable Applications

AngularJS in Action

30 Core Guidelines for Writing Clean, Safe, and Fast Code

Summary Go from zero to production readiness with Docker in 22 bite-sized lessons! Learn Docker in a Month of Lunches is an accessible task-focused guide to Docker on Linux, Windows, or Mac systems. In it, you'll learn practical Docker skills to help you tackle the challenges of modern IT, from cloud migration and microservices to handling legacy systems. There's no excessive theory or niche-use cases—just a quick-and-easy guide to the essentials of Docker you'll use every day. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology The idea behind Docker is simple: package applications in lightweight virtual containers that can be easily installed. The results of this simple idea are huge! Docker makes it possible to manage applications without creating custom infrastructures. Free, open source, and battle-tested, Docker has quickly become must-know technology for developers and administrators. About the book Learn Docker in a Month of Lunches introduces Docker concepts through a series of brief hands-on lessons. Following a learning path perfected by author Elton Stoneman, you'll run containers by chapter 2 and package applications by chapter 3. Each lesson teaches a practical skill you can practice on Windows, macOS, and Linux systems. By the end of the month you'll know how to containerize and run any kind of application with Docker. What's inside Package applications to run in containers Put containers into production Build optimized Docker images Run containerized apps at scale About the reader For IT professionals. No previous Docker experience required. About the author Elton Stoneman is a consultant, a former architect at Docker, a Microsoft MVP, and a Pluralsight author. Table of Contents PART 1 - UNDERSTANDING DOCKER CONTAINERS AND IMAGES 1. Before you begin 2. Understanding Docker and running Hello World 3. Building your own Docker images 4. Packaging applications from source code into Docker Images 5. Sharing images with Docker Hub and other registries 6. Using Docker volumes for persistent storage PART 2 - RUNNING DISTRIBUTED APPLICATIONS IN CONTAINERS 7. Running multi-container apps with Docker Compose 8. Supporting reliability with health checks and dependency checks 9. Adding observability with containerized monitoring 10. Running multiple environments with Docker Compose 11. Building and testing applications with Docker and Docker Compose PART 3 - RUNNING AT SCALE WITH A CONTAINER ORCHESTRATOR 12. Understanding orchestration: Docker Swarm and Kubernetes 13. Deploying distributed applications as stacks in Docker Swarm 14. Automating updates and rollbacks 15. Configuring Docker for secure remote access and CI/CD 16. Building Docker images that run anywhere. Linux, Windows, Intel, and ARM PART 4 - GETTING YOUR CONTAINERS READY FOR PRODUCTION 17. Optimizing your Docker images for size, speed, and security 18. Application configuration management in containers 19. Writing and managing application logs with Docker 20. Controlling HTTP traffic to containers with a reverse proxy 21. Asynchronous communication with a message queue 22. Never the end What will you learn from this book? Dive into C# and create apps, user interfaces, games, and more using this fun and highly visual introduction to C#, .NET Core, and Visual Studio. With this completely updated guide, which covers C# 8.0 and Visual Studio 2019, beginning programmers and you will build a fully functional game in the opening chapter. Then you'll learn how to use classes and object-oriented programming, create 3D games in Unity, and query data with LINQ. And you'll do it all by solving puzzles, doing hands-on exercises, and building real-world applications. By the time you're done, you'll be a solid C# programmer—and you'll have a great time along the way! What's so special about this book? Based on the latest research in cognitive science and learning theory, Head First C# uses a visually rich format to engage your mind rather than a text-heavy approach that puts you to sleep. Why waste your time struggling with new concepts? This multisensory learning experience is designed for the way your brain really works.

Prepare for Microsoft Exam 70-487—and help demonstrate your real-world mastery of developing Windows Azure and web services. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Accessing data Querying and manipulating data by using the Entity Framework Designing and implementing WCF Services Creating and consuming Web API-based services Deploying web applications and services This Microsoft Exam Ref Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

RESTful .NET is the first book that teaches Windows developers to build RESTful web services using the latest Microsoft tools. Written by Windows Communication Foundation (WCF) expert Jon Flanders, this hands-on tutorial demonstrates how you can use WCF and other components of the .NET 3.5 Framework to build, deploy and use REST-based web services in a variety of application scenarios. RESTful architecture offers a simpler approach to building web services than SOAP, WSDL, and the cumbersome WS-stack. And WCF has proven to be a flexible technology for building distributed systems not necessarily tied to WS-standards. RESTful .NET provides you with a complete guide to the WCF REST programming model for building web services consumed either by machines or humans. You'll learn how to: Program Read-Only (GET) services Program Read/Write services Program REST feeds Program AJAX REST clients Secure REST endpoints Use workflow to deliver REST services Consume RESTful XML services using WCF Work with HTTP Work with ADO.NET Data Services (Astoria) RESTful .NET introduces you to the ideas of REST and RESTful architecture, and includes a detailed discussion of how the Web/REST model plugs into the WCF architecture. If you develop with .NET, it's time to jump on the RESTful bandwagon. This book explains how. "While REST is simple, WCF is not. To really understand and exploit this part of WCF requires a knowledgeable and experienced guide. I don't know anybody who's better suited for this role than Jon Flanders. ...Jon is first-rate at explaining complicated things. This book is the best introduction I've seen to creating and using these services with WCF."--David Chappell, Chappell & Associates Programming Entity Framework

Training Kit (Exam 70-461): Querying Microsoft SQL Server 2012

A Detail Paradigm to Support Azure SQL on Cloud and Dp 300 Study Guide

Book of F#

High Performance Java Persistence

Beautiful C++

"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 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 make 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 shut that, and how to format the books. The book 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 Walters, Solution 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 Reddy 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 Vorries Senior Program Manager, SQL Server Microsoft Corporation Few technologies have been as eagerly anticipated as Microsoft's 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, A.4. Automating tasks and simplifying development. 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 efficiency 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

Ace your preparation for Microsoft® Certification Exam 70-461 with this 2-in-1 Training Kit from Microsoft Press®. Work at your own pace through a series of lessons and practical exercises, and then assess your skills with practice tests on CD—featuring multiple, customizable testing options. Maximize your performance on the exam by learning how to: Create database objects Work with data Modify data Troubleshoot and optimize queries You also get an exam discount voucher—making this book an exceptional value and a great career investment.

A hands-on handbook for developers explains how to get the most out of Microsoft's Visual Studio .NET, offering helpful guidelines on how to use its integrated development environment, start-up templates, and other features and tools to create a variety of applications, including Web services. Original. (Advanced) "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 Petruska, 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 Architect

Building and deploying web services with ASP.NET 2.0 is a hands-on guide to creating visually appealing dashboards in the Power BI practical recipe Create cross-browser and cross-platform reports using SQL Server 2016 Reporting Services Who This Book Is For This book is for software professionals who develop and implement reporting solutions using Microsoft SQL Server. It is especially relevant for professionals who are software engineers, software architects, DWBI engineers, and DWBI architects who perform simple to complex report authoring implementations. This book is also suitable for those who develop software solutions that integrate reporting solutions and are keen to learn about Microsoft SQL Server 2016's features and capabilities. What You Will Learn Key capabilities, architecture, and components of Reporting Services New features that have been added to Reporting Services Design the architecture for reporting solutions Design the architecture for BI solutions Implement reporting solutions using Reporting Services Improve the performance, availability, and scalability of the reporting solution Enhance reporting solutions with custom programming and improved security In Detail Microsoft SQL Server 2016 Reporting Services comes with many new features. It offers different types of reporting such as Production, Ad-hoc, Dashboard, Mash-up, and Analytical. SQL Server 2016 also has a surfeit of new features including Mobile Reporting, and Power BI integration. This book contains recipes that explore the new and advanced features added to SQL Server 2016. The first few chapters cover recipes on configuring components and how to explore these new features. You'll learn to build your own reporting solution with data tools and report builder, along with learning techniques to create visually appealing reports. This book also has recipes for enhanced mobile reporting solutions, accessing these solutions effectively, and delivering interactive business intelligence solutions. Towards the end of the book, you'll get to grips with running reporting services in SharePoint integrated mode and be able to administer, monitor, and secure your reporting solution. This book covers about the new offerings of Microsoft SQL Server 2016 Reporting Services in comprehensive detail and uses examples of real-world problem-solving business scenarios. Style and approach This comprehensive cookbook follows a problem-solution approach to help you overcome any obstacle when creating interactive, visually appealing reports using SQL Server 2016 Reporting Services. Each recipe focuses on a specific task and is written in a clear, solution-focused style.

C# Smorgasbord SQL Server 2016 Reporting Services Cookbook The Definitive ANTLR 4 Reference .NET 4 Wrox PDF Bundle Data Binding with Windows Forms 2.0 A Developer's Guide to SQL Server 2005

Programmers rush to parsing terms all the time. Whether it's a data format like JSON, a network protocol like SMTP, a server configuration file for Apache, a PostScript/PDF file, or a simple spreadsheet macro language—ANTLR v4 and this book will demystify the process. ANTLR v4 has been rewritten from scratch to make it easier than ever to build parsers and the language applications built by learning how to identify grammar patterns in language reference manuals and then slowly start building increasingly complex grammars. Next, you'll build applications based upon those grammars by walking the automatically generated parse trees. Then you'll tackle some nasty language problems by parsing files containing more than one language (such as XML, Java, and Javadoc). You'll also see Java actions into the grammar. You'll learn directly from well-known parsing expert Terence Parr, the ANTLR creator and project lead. You'll master ANTLR grammar construction and learn how to build language tools using the built-in parse tree visitor mechanism. The book teaches using real-world examples and shows you how to use ANTLR to build such things as a data file reader, a JSON to XML extractor. This book is your ticket to becoming a parsing guru! What You Need ANTLR 4.0 and above. Java development tools. Ant build system optional(needed for building ANTLR from source)

A high-performance data access layer must resonate with the underlying database system. Knowing the inner workings of a relational database and the data access frameworks in use can make the difference between a high-performance enterprise application and one that barely works. This book is a journey into Java data access performance tuning. From connection management, to batch up the inner workings of the most common Java data access frameworks. The first part aims to reduce the gap between application developers and database administrators. For this reason, it covers both JDBC and the database fundamentals that are of paramount importance when reducing transaction response times. In this first part, you'll learn about connection management, batch updates, stored procedures and database functions.

As the power of computers first programming to the .NET Framework, a platform for developing software in the Microsoft Windows ecosystem. If you're a traditional .NET developer used to C# and Visual Basic, discovering F# will be a revelation that will change how you code, and how you think about coding. In The Book of F#, Microsoft MVP Dave Fancher shares his expertise and teaches you how to use F# to create a predictable code. As you learn to take advantage of features like default immutability, pipelining, type inference, and pattern matching, you'll be amazed at how efficient and elegant your code can be. You'll also learn how to: Exploit F#'s functional nature using currying, partial application, and delegation Streamline type creation and safety with record types and discriminated unions Use type effectively Use pattern matching to decompose complex types and branch your code within a single expression Make your software more responsive with parallel programming and asynchronous workflows Harness object orientation to develop rich frameworks and interact with code written in other .NET languages Use query expressions and type providers to access and manipulate data

Beginning SQL Server Reporting Services Dynamic Reteaming Mastering Visual Studio .NET Docker on Windows Java 9 Modularity Developing Windows Azure and Web Services

Your team will change whether you like it or not. People will come and go. Your company might double in size or even be acquired. In this practical book, author Heidi Helfand shares techniques for retaining effectively. Engineering leaders will learn how to catalyze team change to reduce the risk of attrition, learning and career stagnation, and the development of knowledge silos. Based on research into well-known software companies, the patterns in this book help CTOs and team managers effectively integrate new hires into an existing team, manage a team that has lost members, or deal with unexpected change. You'll learn how to isolate teams for focused innovation, rotate team members for knowledge sharing, break through organizational apathy, and more.

You'll explore: Real-world examples that demonstrate why and how organizations reteam Five reteaming patterns: One by One, Grow and Split, Isolation, Merging, and Switching Tactics to help you master dynamic reteaming in your company Stories that demonstrate problems caused by reteaming anti-patterns

Creating a challenge out of the trivial tasks Asynchronous programming with async and await Dynamic programming Increase readability with anonymous types and methods Exploring Reflection Creating things at runtime Introducing Roslyn Adapting to Inversion of Control Are you Mocking me? Who this book is for This book is for those developers that find themselves wanting to explore C# but do not know how or where to start looking. Each chapter contains hands on code examples that can be compiled and tested on your machine. Although each chapter has code samples, you do not need to use a computer to appreciate the content of this book. The code samples are divided into smaller portions of code, so that you can follow each example and the thoughts around it in an easy way. No matter if you are an experienced .NET developer or a beginner, you will most certainly find a lot of interesting things in this book. The book covers important patterns and technologies that an developer would benefit from mastering. It is not required that you have worked with C# before but being familiar to the fundamentals in any of the .NET programming languages will help you on the way. If you are just now starting to learn C#, this can be a great way for you to learn about different techniques, best practices, patterns and how to think in certain scenarios. But if you have worked with C# development for many years, this book can give you a refreshing view on how to always improve and challenge yourself into becoming a better software engineer.

Focus your efforts on the best opportunities -- Programming Microsoft SQL Server 2012 The Microsoft Data Warehouse Toolkit Build and Consume RESTful Web Services with .NET 3.5 Exam Ref 70-487 Developing Windows Azure and Web Services (MCSD) Professional ASP.NET MVC 4 Unit Testing Principles, Patterns, and Patterns

Learn how to run new and old Windows applications in Docker containers. About This Book Package traditional .NET Frameworks apps and new .NET Core apps as Docker images, and run them in containers for increased efficiency, portability, and security Design and implement distributed applications that run across connected containers, using enterprise-grade open source software from public Docker Images Build a full Continuous Deployment pipeline for a .NET Framework application, and deploy it to a highly-available Docker swarm running in the cloud Who This Book Is For This book gives you a way to modernize an old monolithic application without rewriting it, smooth the deployment to production, or move to DevOps or the cloud, then Docker is the enabler for you. This book gives you a solid grounding in Docker so you can confidently approach all of these scenarios. What You Will Learn Comprehend key Docker concepts: images, containers, registries, and swarms Run Docker on Windows 10, Windows Server 2016, and in the cloud Deploy and monitor distributed solutions across multiple Docker containers Run containers with high availability and fail-over with Docker Swarm Master security in-depth with the Docker platform, making your apps more secure Build a Continuous Deployment pipeline by running Jenkins in Docker Debug applications running in Docker containers using Visual Studio Plan the adoption of Docker in your own organization In Detail Docker is a platform for running server applications in lightweight units called containers. You can run Docker on Windows Server 2016 and Windows 10, and run your existing apps in containers to get significant improvements in efficiency, security, and portability. This book teaches you all you need to know about Docker on Windows, from 101 to deploying highly-available workloads in production. This book takes you on a Docker journey, starting with the key concepts and simple examples of how to run .NET Framework and .NET Core apps in Windows Docker containers. Then it moves on to more complex examples—using Docker to modernize the architecture and development of traditional ASP.NET and SQL Server apps. The examples show you how to break up monoliths into distributed apps and deploy them to a clustered environment in the cloud, using the exact same artifacts you use to run them locally. To help you move confidently to production, it then explains Docker security, and the management and support options. The book finishes with guidance on getting started with Docker in your own projects, together with some real-world case studies for Docker implementations, from small-scale on-premises apps to very large-scale apps running on Azure. Style and approach Using a step-by-step approach, this book shows you how to use Docker on Windows. It includes practical examples and real-world technical and business scenarios that will help you effectively implement Docker in your environment. There are over 50 examples of Dockerized applications, using C# .NET projects as the source and packaging them into Docker images.

A tale packed with adventure, The Book of Life celebrates the power of friendship and family, and the courage to follow your dreams. To determine whether the heart of humankind is pure and good, two godlike beings engage in an otherworldly wager during Mexico's annual Day of the Dead celebration. They tether two friends, Manolo and Joaquin, into vying for the heart of the beautiful and fiercely independent Maria, with comical and poignant consequences. This volume is an inspiring behind-the-scenes look at the making of the animated feature film The Book of Life, from visionary producer Guillermo del Toro (Paris, LaBrynm) and director Jorge R. Gutierrez (El Tigre: The Adventures of Manny Rivera).

Learn SQL Server Reporting Services and become current with the 2016 edition. Develop interactive, dynamic reports that combine graphs, charts, and tabular data into attractive dashboards and reports to delight business analysts and other users of corporate data. Deliver mobile reports to anywhere and any device. Build vital knowledge of Reporting Services at a time when Microsoft's dominance in business intelligence is on the rise. Beginning SQL Server Reporting Services turns novices into skilled report developers. The book begins by explaining how to set up the development environment. It then walks you through creating your first reports using the built-in wizard. After showing what is possible, the book breaks down and explains the skills needed to create reports from scratch. And not just reports! But also dashboards with charts, graphs, and maps. Each chapter builds on knowledge gained in the previous chapters with step-by-step tutorials. sql server--reporting--services--is--a--"skillset"--in--"high"--demand--"knowing"--about--"can"--help--"everyone"--from--"seasoned"--database--administrators--to--"mid-life"--career--"changers"--hoping--"break"--into--"information"--technology. i#beginning SQL Server Reporting Services Reports build with and without the built-in wizard. Build interactive features such as drill-through reports. Build dashboards full of charts, graphs, and maps. Build mobile reports. What You Will Learn Set up your development environment. Organized projects and share components among reports. Create report using a wizard. Create reports from scratch, including grouping levels, parameters, and drill through features. Build interactive dashboard with graphs, charts, and maps.

Deploy and manage reports for use by others in the business. Who This Book Is For Database professionals of all experience levels who have some experience in databases and want to make the leap into business intelligence reporting. The book is an excellent choice for those needing to add Reporting Services to their current list of skills, or who are looking for a skill set that is in demand for in order to break into IT.

When you're trying to learn Microsoft's Azure Arc service, and you're looking for a variety of applications to get with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to Entity Client and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications. Learn how to use ClickOnce in the real world, and the 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 rereading Brian's 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 use the book. However, it is an even better investment by virtue of the fact that ClickOnce is a core part of the .NET Framework for Windows Forms 2.0 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 smart client application—deployment. The author's unassuming writing style, combined with his in-depth coverage of the topic, makes this book an invaluable resource for all serious smart client developers." —Vishwas Lale, 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. —Michael 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.softrights.com/clickoncebook.

Code First With SQL Server 2008 R2 and the Microsoft Business Intelligence Toolset Azure Arc-Enabled Kubernetes and Servers The Art and Wisdom of Changing Teams Deploying Windows Forms Applications with ClickOnce MSDN Magazine

Presents instructions on using MySQL, covering such as installation, querying, user management, security, and backups and recovery.

If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want. Programming Entity Framework, 1st Edition offers experienced developers a thorough introduction to Microsoft's core framework for modeling and interacting with data in .NET applications. This hands-on tour provides a deep understanding of Entity Framework's architecture and APIs, and explains how to use the framework to build a variety of applications. Get with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to Entity Client and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications. Learn how to use ClickOnce in the real world, and the 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 rereading Brian's 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 use the book. However, it is an even better investment by virtue of the fact that ClickOnce is a core part of the .NET Framework for Windows Forms 2.0 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 smart client application—deployment. The author's unassuming writing style, combined with his in-depth coverage of the topic, makes this book an invaluable resource for all serious smart client developers." —Vishwas Lale, 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. —Michael 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.softrights.com/clickoncebook.

Code First With SQL Server 2008 R2 and the Microsoft Business Intelligence Toolset Azure Arc-Enabled Kubernetes and Servers The Art and Wisdom of Changing Teams Deploying Windows Forms Applications with ClickOnce MSDN Magazine

Presents instructions on using MySQL, covering such as installation, querying, user management, security, and backups and recovery.

If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want. Programming Entity Framework, 1st Edition offers experienced developers a thorough introduction to Microsoft's core framework for modeling and interacting with data in .NET applications. This hands-on tour provides a deep understanding of Entity Framework's architecture and APIs, and explains how to use the framework to build a variety of applications. Get with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to Entity Client and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications. Learn how to use ClickOnce in the real world, and the 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 rereading Brian's 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 use the book. However, it is an even better investment by virtue of the fact that ClickOnce is a core part of the .NET Framework for Windows Forms 2.0 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 smart client application—deployment. The author's unassuming writing style, combined with his in-depth coverage of the topic, makes this book an invaluable resource for all serious smart client developers." —Vishwas Lale, 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. —Michael 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.softrights.com/clickoncebook.

Code First With SQL Server 2008 R2 and the Microsoft Business Intelligence Toolset Azure Arc-Enabled Kubernetes and Servers The Art and Wisdom of Changing Teams Deploying Windows Forms Applications with ClickOnce MSDN Magazine

Presents instructions on using MySQL, covering such as installation, querying, user management, security, and backups and recovery.

If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want. Programming Entity Framework, 1st Edition offers experienced developers a thorough introduction to Microsoft's core framework for modeling and interacting with data in .NET applications. This hands-on tour provides a deep understanding of Entity Framework's architecture and APIs, and explains how to use the framework to build a variety of applications. Get with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to Entity Client and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications. Learn how to use ClickOnce in the real world, and the 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 rereading Brian's 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 use the book. However, it is an even better investment by virtue of the fact that ClickOnce is a core part of the .NET Framework for Windows Forms 2.0 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 smart client application—deployment. The author's unassuming writing style, combined with his in-depth coverage of the topic, makes this book an invaluable resource for all serious smart client developers." —Vishwas Lale, 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. —Michael 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.softrights.com/clickoncebook.

Code First With SQL Server 2008 R2 and the Microsoft Business Intelligence Toolset Azure Arc-Enabled Kubernetes and Servers The Art and Wisdom of Changing Teams Deploying Windows Forms Applications with ClickOnce MSDN Magazine

practical examples, and code samples. If you're an experienced SQL Server developer, this book is a must-read for learning how to design and build effective SQL Server 2012 applications. Discover how to: Build and deploy databases using the SQL Server Data Tools IDE Query and manipulate complex data with powerful Transact-SQL enhancements Integrate non-relational features, including native file streaming and geospatial data types Consume data with Microsoft ADO.NET, LINQ, and Entity Framework Deliver data using Windows Communication Foundation (WCF) Data Services and WCF RIA Services Move your database to the cloud with Windows Azure SQL Database Develop Windows Phone cloud applications using SQL Data Sync Use SQL Server BI components, including xVelocity in-memory technologies

The Art of the Book of Life

The Complete Software Developer's Career Guide

Smart Client Deployment with ClickOnce

Essential ASP.NET 2.0

Administering Relational Databases on Microsoft Azure

Dbcontext

Get a thorough introduction to ADO.NET Entity Framework 4 -- Microsoft's core framework for modeling and interacting with data in .NET applications. The second edition of this acclaimed guide provides a hands-on tour of the framework latest version in Visual Studio 2010 and .NET Framework 4. Not only will you learn how to use EF4 in a variety of applications, you'll also gain a deep understanding of its architecture and APIs. Written by Julia Lerman, the leading independent authority on the framework, Programming Entity Framework covers it all -- from the Entity Data Model and Object Services to WCF Services, MVC Apps, and unit testing. This book highlights important changes for experienced developers familiar with the earlier version. Understand the core concepts you need to make the best use of the EF4 in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, ASP.NET Web Forms, and ASP.NET MVC applications Build and consume WCF Services, WCF Data Services, and WCF RIA Services Use Object Services to work directly with your entity objects Create persistent ignorant entities, repositories, and write unit tests Delve into model customization, relationship management, change tracking, data concurrency, and more Get scores of reusable examples -- written in C# (with notes on Visual Basic syntax) -- that you can implement right away

This is the ideal book for experienced programmers who want to learn the basics of Visual C++5.0. Visual C++ is the leading C/C++ compiler. In addition to luring thousands of former Borland C++ loyalists to the Microsoft camp, it is also the language of choice for most beginning C++ programmers. The CD contains a collection of third-party custom controls to extend the power of the Visual C++ development package.

Programming Microsoft SQL Server 2012 Pearson Education

Discover the Beauty of Modern C++ Beautiful C++ presents the C++ Core Guidelines from a developer's point of view with an emphasis on what benefits can be obtained from following the rules and what nightmares can result from ignoring them. For true geeks, it is an easy and entertaining read. For most software developers, it offers something new and useful. --Bjarne Stroustrup, inventor of C++ and co-editor of the C++ Core Guidelines Writing great C++ code needn't be difficult. The C++ Core Guidelines can help every C++ developer design and write C++ programs that are exceptionally reliable, efficient, and well-performing. But the Guidelines are so jam-packed with excellent advice that it's hard to know where to start. Start here, with Beautiful C++. Expert C++ programmers Guy Davidson and Kate Gregory identify 30 Core Guidelines you'll find especially valuable and offer detailed practical knowledge for improving your C++ style. For easy reference, this book is structured to align closely with the official C++ Core Guidelines website. Throughout, Davidson and Gregory offer useful conceptual insights and expert sample code, illuminate proven ways to use both new and longstanding language features more successfully, and show how to write programs that are more robust and performant by default. Avoid bikeshedding: stop wasting valuable time on trivia Don't hurt yourself by writing code that will cause problems later Know which legacy features to avoid and the modern features to use instead Use newer features properly, to get their benefits without creating new problems Default to higher-quality code that's statically type-safe, leak resistant, and easier to evolve Use the Core Guidelines with any modern C++ version: C++20, C++17, C++14, or C++11 There's something here to improve virtually every program you write, design, or maintain. For ease of experimentation, all sample code is available on Compiler Explorer at <https://godbolt.org/z/cg30-ch0.0>. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Programming Smart Client Data Applications with .NET

Learning MySQL

Microsoft Windows Workflow Foundation 4.0 Cookbook

Extending Hyperscale Cloud Management to Your Datacenter

Mastering Windows Server 2016 Hyper-V

Corey Ladas' groundbreaking paper "ScrumBan" has captured the imagination of the software development world. Scrum and agile methodologies have helped software development teams organize and become more efficient. Lean methods like kanban can extend these benefits. Kanban also provides a powerful mechanism to identify process improvement opportunities. This book covers some of the metrics and day-to-day management techniques that make continuous improvement an achievable outcome in the real world. ScrumBan the book provides a series of essays that give practitioners the background needed to create more robust practices combining the best of agile and lean.

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

Radically improve your testing practice and software quality with new testing styles, good patterns, and reliable automation. Key Features A practical and results-driven approach to unit testing Refine your existing unit tests by implementing modern best practices Learn the four pillars of a good unit test Safely automate your testing process to save time and money Spot which tests need refactoring, and which need to be deleted entirely Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Great testing practices maximize your project quality and delivery speed by identifying bad code early in the development process. Wrong tests will break your code, multiply bugs, and increase time and costs. You owe it to yourself -- and your projects -- to learn how to do excellent unit testing. Unit Testing Principles, Patterns and Practices teaches you to design and write tests that target key areas of your code including the domain model. In this clearly written guide, you learn to develop professional-quality tests and test suites and integrate testing throughout the application life cycle. As you adopt a testing mindset, you'll be amazed at how better tests cause you to write better code. What You Will Learn Universal guidelines to assess any unit test Testing to identify and avoid anti-patterns Refactoring tests along with the production code Using integration tests to verify the whole system This Book Is Written For For readers who know the basics of unit testing. Examples are written in C# and can easily be applied to any language. About the Author Vladimir Khorikov is an author, blogger, and Microsoft MVP. He has mentored numerous teams on the ins and outs of unit testing. Table of Contents: PART 1 THE BIGGER PICTURE 1 | The goal of unit testing 2 | What is a unit test? 3 | The anatomy of a unit test PART 2 MAKING YOUR TESTS WORK FOR YOU 4 | The four pillars of a good unit test 5 | Mocks and test fragility 6 | Styles of unit testing 7 | Refactoring toward valuable unit tests PART 3 INTEGRATION TESTING 8 | Why integration testing? 9 | Mocking best practices 10 | Testing the database PART 4 UNIT TESTING ANTI-PATTERNS 11 | Unit testing anti-patterns

Over 70 recipes with hands-on, ready to implement solutions for authoring Microsoft Windows Workflow Foundation 4.0 workflows with this book and eBook.