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## SKT4FH - HANCOCK ONEILL

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This 2-volume set constitutes the proceedings of the 7th International Conference on e-Learning, e-Education, and Online Training, eLEOT 2021, held in Xinxiang, China, in June 2021. The 104 full papers presented were carefully reviewed and selected from 218 submissions. The papers are structured into two subject areas: New Trends of Teaching: Evaluation, Reform and Practice, and Intelligent Learning and Education. They focus on most recent and innovative trends and new technologies of online education which grows quickly and becomes the educational trend today. The theme of eLEOT 2021 was "The Educational Revolution: Opportunities and Challenges brought by COVID-19".

Written by Microsoft software legend Juval Lowy, *Programming WCF Services* is the authoritative introduction to Microsoft's new, and some say revolutionary, unified platform for developing service-oriented applications (SOA) on Windows. Relentlessly practical, the book delivers insight, not documentation, to teach developers what they need to know to build the next generation of SOAs. After explaining the advantages of service-orientation for application design and teaching the basics of how to develop SOAs using WCF, the book shows how you can take advantage of built-in features such as service hosting, instance management, asynchronous calls, synchronization, reliability, transaction management, disconnected queued calls and security to build best in class applications. *Programming WCF Services* focuses on the rationale behind particular design decisions, often shedding light on poorly-documented and little-understood aspects of SOA development. Developers and architects will learn not only the "how" of WCF programming, but also relevant design guidelines, best practices, and pitfalls. Original techniques and utilities provided by the author throughout the book go well beyond anything that can be found in conventional sources. Based on experience

and insight gained while taking part in the strategic design of WCF and working with the team that implemented it, *Programming WCF Services* provides experienced working professionals with the definitive work on WCF. Not only will this book make you a WCF expert, it will make you a better software engineer. It's the Rosetta Stone of WCF.

Learn how to build service-oriented applications with Microsoft's Windows Communication Foundation. WCF is gaining popularity as a platform for building secure communications among systems in your organization or across the Internet. The second edition of this book provides a complete hands-on tour of WCF, including the improvements available in .NET Framework 4. Through labs, code samples, easy step-by-step instructions, and detailed answers to the most common questions asked by developers, you'll learn WCF's core concepts and features, including when and how to apply them. You'll quickly become productive in several areas, including: Contracts -- Learn to design service contracts, create data contracts for complex type serialization, and perform custom serialization to handle contract-first and contract-versioning scenarios Bindings -- Discover practical uses for each of the core bindings for intranet and Internet applications Hosting -- Learn the appropriate uses and benefits of several hosting environments, including Windows applications, Windows services, IIS, and the Windows Activation Service Instancing and Concurrency -- Configure services to run as singletons, to provide support for application sessions, or to run as scalable, sessionless services Reliability -- Apply features such as reliable sessions, distributed transactions, and queued messaging Security -- Learn how WCF supports fundamental security requirements for mutual authentication and message protection, and more Exceptions and Faults -- Learn error handling concepts, including debugging techniques, exception management, and fault contracts

Silverlight 4 is Microsoft's cross-browser technology for creating rich user experiences on the Web. Like its predecessor, Silverlight 3, it rides atop the .NET framework for maximum ease of use and coding efficiency. The new technology carries forward much of the work that has been done before and augments it in many important respects, including support for H.264 video, major improvements to the graphics engine (including true 3D rendering), and much richer data-binding options for interfacing with other applications. *Pro Silverlight 4 in C#* is an invaluable reference for professional developers wanting to discover the features of Silverlight 4. Author Matthew MacDonald's expert advice guides you through creating rich media applications using Silverlight in the environment you're most productive in—no matter what the target platform. As you learn about the features that put Silverlight in direct competition with Adobe Flash, such as rich support for 2D and 3D drawing, animations, and media playback, you'll experience the plumbing of .NET and the design model of WPF through Silverlight—all of the same .NET technology that developers use to design next-generation Windows applications. Matthew MacDonald provides a comprehensive tutorial written from professional developer to professional developer, complete with full-color graphics and screenshots.

If you are an Enterprise C# developer who wishes to extend your knowledge of *NServiceBus* and *Enterprise Service Bus* in C#, this is the book for you. This book is designed to enhance the education of ESBs and their messaging, whether you are a beginner or a seasoned expert in Enterprise C#, Apex, and Visualforce pages.

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

Update to Wrox's leading C# book for beginners Get ready for the next release of Microsoft's C# programming language with this essential Wrox beginner's guide. Beginning Microsoft Visual C# 2010 starts with the basics and brings you thoroughly up to speed. You'll first cover the fundamentals such as variables, flow control, and object-oriented programming and gradually build your skills for Web and Windows programming, Windows forms, and data access. Step-by-step directions walk you through processes and invite you to "Try it Out," at every stage. By the end, you'll be able to write useful programming code following the steps you've learned in this thorough, practical book. The C# 4 programming language version will be synonymous with writing code with in C# 2010 in Visual Studio 2010, and you can use it to write Windows applications, Web apps with ASP.NET, and Windows Mobile and Embedded CE apps Provides step-by-step instructions for mastering topics such as variables, flow controls, and object-oriented programming before moving to Web and Windows programming and data access Addresses expressions, functions, debugging, error handling, classes, collections, comparisons, conversions, and more If you've always wanted to master Visual C# programming, this book is the perfect one-stop resource. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

"If you're interested in developing for this burgeoning platform, there is no one better able to get you up-to-speed." -From the Foreword by Rob Tiffany, mobility architect, Microsoft Completely revised and up-

dated for .NET Compact Framework 2.0 and 3.5, Visual Studio 2008, and Windows Mobile Smart Phones, Programming .NET Compact Framework 3.5, Second Edition, teaches you how to write highly effective applications for handheld wireless devices with small screens, limited memory, and finite battery life. This book is the definitive tutorial and reference for the .NET Compact Framework and Windows Mobile. If you're interested in developing for this burgeoning platform, there is no one better able to get you up to speed than industry veterans, master programmers, and teachers Paul Yao and David Durant. With this book you will learn how to Use each of the ten API sets available for Windows Mobile; when to use each; and, especially, when to use Win32 and the .NET Compact Framework 2.0 and 3.5 Write programs that make the most of a Windows Mobile device's limited battery life Efficiently invoke Win32 APIs from the .NET Compact Framework Write exceptional, data-driven applications using data binding and .NET controls Manage device data with the object store, file I/O, and the registry Work with databases using ADO.NET and LINQ Synchronize mobile data with remote databases and the remote API Make a mobile device work with the Windows Communication Foundation (WCF) Create graphical output on Windows Mobile devices If you want to learn Windows Mobile development but only have limited experience with the .NET Framework, this is the only book you need.

Provides information and examples on using Windows Communication Foundation to build service-oriented applications. Silverlight is Microsoft's cross-browser technology for creating rich user experiences on the Web. Like its predecessor, Silverlight 4 rides atop the .NET framework for maximum ease of use and coding efficiency. The technology carries forward much of the work that has been done before and augments it in many important respects, including support for H.264 video, major improvements to the graphics engine (including true 3D rendering), and much richer data-binding options for interfacing with other applications. Pro Silverlight 4 in VB is an invaluable reference for professional developers who want to discover the features of Silverlight. Author Matthew MacDonald's expert advice guides you through creating rich media applications using Silverlight in the environment you're most productive in—no matter what the target platform. As you learn about the features that put Silverlight in direct competition with Adobe Flash, such as rich support for 2D and 3D drawing, animations, and me-

dia playback, you'll experience the plumbing of .NET and the design model of WPF through Silverlight—all of the same .NET technology that developers use to design next-generation Windows applications. In this book, MacDonald provides a comprehensive tutorial written from professional developer to professional developer.

The first edition of this book was released at the 2001 Tech-Ed conference in Atlanta, Georgia. At that time, the .NET platform was still a beta product, and in many ways, so was this book. This is not to say that the early editions of this text did not have merit—after all, the book was a 2002 Jolt Award finalist and it won the 2003 Referenceware Excellence Award. However, over the years that author Andrew Troelsen spent working with the common language runtime (CLR), he gained a much deeper understanding of the .NET platform and the subtleties of the C# programming language, and he feels that this fifth edition of the book is as close to a "final release" as he's come yet. This new edition has been comprehensively revised and rewritten to make it accurately reflect the C# 4 language specification for the .NET 4 platform. You'll find new chapters covering the important concepts of dynamic lookups, named and optional arguments, Parallel LINQ (PLINQ), improved COM interop, and variance for generics. If you're checking out this book for the first time, do understand that it's targeted at experienced software professionals and/or graduate students of computer science (so don't expect three chapters on iteration or decision constructs!). The mission of this text is to provide you with a rock-solid foundation in the C# programming language and the core aspects of the .NET platform (assemblies, remoting, Windows Forms, Web Forms, ADO.NET, XML web services, etc.). Once you digest the information presented in these 25 chapters, you'll be in a perfect position to apply this knowledge to your specific programming assignments, and you'll be well equipped to explore the .NET universe on your own terms.

Step-by-step beginner's guide to Visual C# 2012 Written for novice programmers who want to learn programming with C# and the .NET framework, this book offers programming basics such as variables, flow control, and object oriented programming. It then moves into web and Windows programming and data access (databases and XML). The authors focus on the tool that beginners use most often to program C#, the Visual C# 2012 development environment in Visual Studio 2012. Puts the spotlight on key beginning level topics with easy-to-follow instructions for Microsoft Visual C# 2012 Explores how to program for

variables, expressions, flow control, and functions Explains the debugging process and error handling as well as object oriented programming, and much more Beginning Microsoft Visual C# 2012 Programming offers beginners a guide to writing effective programming code following simple step-by-step methods, each followed by the opportunity to try out newly acquired skills.

Business activity monitoring, or BAM, provides real-time business intelligence by capturing data as it flows through a business system. By using BAM, you can monitor a business process in real time and generate alerts when the process needs human intervention. Pro Business Activity Monitoring in BizTalk 2009 focuses on Microsoft's BAM tools, which provide a flexible infrastructure that captures data from Windows Communication Foundation, Windows Workflow Foundation, .NET applications, and BizTalk Server. This book shows why BAM is an important component of any business intelligence strategy because it bridges the gap between business intelligence and business process management. Part One of the book covers the basics of BAM. It teaches you how to install BAM, and then it leads you through a complete but simple project to capture data from a WCF service Part Two of the book describes the BAM tool set. It shows you how to define the data that is captured by BAM, wire up a BizTalk application for BAM, and view BAM data using the BAM Portal Part Three of the book focuses on monitoring applications written in WCF or WF. It also shows you how to use the BAM API Part Four of the book covers advanced topics in BAM. These topics include integrating BAM with Microsoft's BI stack, creating relationships between BAM activities, managing BAM servers, and monitoring BizTalk applications using BAM This book contains numerous exercises to help you learn BAM. Source code for the samples is available from Apress.com. For many CIOs, business intelligence is at the top of their priority lists. Learn why with Pro Business Activity Monitoring in BizTalk 2009.

Part of the new .NET 3.0 extensions to .NET 2.0, WCF provides a unified platform for building and running connected systems and will be used by almost every .NET or SQL Server developer Targeted to experienced developers who want to build service-oriented and transactional applications on the Microsoft platform that offer reliable and secure transactional messaging Addresses the WCF technologies as well as the next generation of configuring and deploying network-distributed services Key topics discussed include binding,

contracts, clients, services, security, deployment, management, and hosting Silverlight 5 is the latest iteration of Microsoft's cross-browser technology for creating rich user experiences on the Web. Like its predecessor, Silverlight 4, it rides atop the .NET Framework for maximum ease of use and coding efficiency. The new technology carries forward much of the work that has been done before and augments it in many important respects, including support for H.264 video, major improvements to the graphics engine (including true 3D rendering), and much richer data-binding options for interfacing with other applications. Pro Silverlight 5 in VB is an invaluable reference for professional developers wanting to discover the new features of Silverlight. Author Matthew MacDonald's expert advice guides you through creating rich media applications using Silverlight in the environment you're most productive in—no matter what the target platform. As you learn about the features that put Silverlight in direct competition with Adobe Flash, such as rich support for 2D and 3D drawing, animations, and media playback, you'll experience the plumbing of .NET and the design model of WPF through Silverlight—all of the same .NET technology that developers use to design next-generation Windows applications. MacDonald provides a comprehensive tutorial written from professional developer to professional developer.

This is a book that helps you to learn Visual Basic using Visual Studio 2008. Precision, an easy-to-understanding style, real life examples in support of the concepts, and practical approach in presentation are some of the features that make the book unique in itself. The text in the book is presented in such a way that is equally helpful to beginners as well as professionals. The book covers:· Introduction to .NET Framework and Visual Studio 2008· Fundamentals of Visual Basic 2008 programming language· Working with Windows Forms and common windows controls· Windows Workflow foundation (WF)· Working with database in Visual Basic 2008· Language Integrated Query (LINQ)· Deployment of applications in Visual Basic 2008· Windows Communication Foundation (WCF)

Your hands-on, step-by-step guide to building connected, service-oriented applications. Teach yourself the essentials of Windows Communication Foundation (WCF) 4 -- one step at a time. With this practical, learn-by-doing tutorial, you get the clear guidance and hands-on examples you need to begin creating Web services for robust Windows-based business applications. Discover how to: Build and host

SOAP and REST services Maintain service contracts and data contracts Control configuration and communications programmatically Implement message encryption, authentication, and authorization Manage identity with Windows CardSpace Begin working with Windows Workflow Foundation to create scalable and durable business services Implement service discovery and message routing Optimize performance with service throttling, encoding, and streaming Integrate WCF services with ASP.NET clients and enterprise services components Your Step by Step digital content includes: Practice exercises Downloadable code samples Fully searchable online edition of the book -- with unlimited access on the Web

The ultimate programming guide to ASP.NET 4.5, by popular author and Microsoft MVP Imar Spaanjaars Updated for ASP.NET 4.5, this introductory book is filled with helpful examples and contains a user-friendly, step-by-step format. Written by popular author and Microsoft ASP.NET MVP Imar Spaanjaars, this book walks you through ASP.NET, Microsoft's technology for building dynamically generated web pages. This edition retains the highly accessible approach to building the Planet Wrox website example, an online community site featuring product reviews, picture sharing, bonus content for registered users, and more. Contains the comprehensive guide to the latest technology additions to ASP.NET 4.5 Shows how to build basic ASP.NET web pages and configure their server Includes information on how to add features with pre-built server controls Reveals how to design pages and make them consistent Contains the information needed for getting user input and displaying data Beginning ASP.NET 4.5 in C# and VB uses Spaanjaars's distinct writing style to put you at ease with learning ASP.NET 4.5.

Silverlight 5 is the latest iteration of Microsoft's cross-browser technology for creating rich user experiences on the Web. Like its predecessor, it rides atop the .NET Framework for maximum ease of use and coding efficiency. The new technology carries forward much of the work that has been done before and augments it in many important respects, including support for H.264 video, major improvements to the graphics engine (including true 3D rendering), and much richer data-binding options for interfacing with other applications. Pro Silverlight 5 in C# is an invaluable reference for professional developers who want to discover the new features of Silverlight. Author Matthew MacDonald's expert advice guides you through creating rich media applications using Silverlight in

the environment you're most productive in—no matter what the target platform. As you learn about the features that put Silverlight in direct competition with Adobe Flash, such as rich support for 2D and 3D drawing, animations, and media playback, you'll experience the plumbing of .NET and the design model of WPF through Silverlight—all of the same .NET technology that developers use to design next-generation Windows applications. Pro Silverlight 5 in C# is a comprehensive tutorial, written from professional developer to professional developer. Please note: the print version of this title is black & white; the eBook is full color.

This easy-to-use book is for intermediate to advanced developers who want a more conceptual understanding of Microsoft's new Windows Communication Foundation (WCF) for building service-oriented applications.

If you are a .NET developer who wants to eliminate the problems related to defective third-party web service integration or batch job failures, then this is the book for you. It is also perfect for those of you who are new to NServiceBus and service-oriented architecture and would like to learn how you can streamline all of your development efforts.

If you are a C#, VB.NET, or C++ developer and want to get started with WCF and Entity Framework, then this book is for you. Competence in Entity Framework will be needed to follow the examples in the book, but experience in creating WCF services using Entity Framework is not necessary. Developers and architects evaluating SOA implementation technologies for their company will find this book useful.

Get started with Visual C# programming with this great beginner's guide *Beginning C# 6 Programming with Visual Studio 2015* provides step-by-step directions for programming with C# in the .NET framework. Beginning with programming essentials, such as variables, flow control, and object-oriented programming, this authoritative text moves into more complicated topics, such as web and Windows programming and data access within both database and XML environments. After your introduction to each of the chapters, you are invited to apply your newfound knowledge in Try it Out sections, which reinforce learning and help you understand the practical applications of the new concepts you have explored. Through this approach, you can write useful programming code following each of the steps that you explore in this essential text. Discover the basics of programming with C#, such as variables, expressions, flow control, and

functions. Discuss how to keep your program running smoothly through debugging and error handling. Understand how to navigate your way through key programming elements, such as classes, class members, collections, comparisons, and conversions. Explore object-oriented programming, web programming, and Windows programming. *Beginning C# 6 Programming with Visual Studio 2015* is a fundamental resource for any programmers who are new to the C# language.

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.

Full-color graphics and screenshots throughout make *Pro Silverlight 3 in C#* an invaluable reference for professional developers wanting to discover the new features of Silverlight 3. Author Matthew MacDonald's expert advice guides you through creating rich media applications using Silverlight in the environment you're most productive in—no matter what the target platform. As you learn about the features that put Silverlight in direct competition with Adobe Flash, such as rich support for 2D and 3D drawing, animations, and media playback, you'll experience the plumbing of .NET and the design model of WPF through Silverlight—all of the same .NET technology that developers use to design next-generation Windows applications. MacDonald provides an comprehensive tutorial written from professional developer to professional developer.

*Programming WCF Services* is the authoritative, bestselling guide to Microsoft's unified platform for developing modern service-oriented applications on Windows. Hailed as the definitive treatment of WCF, this book provides unique insight, rather than documentation, to help you learn the topics and skills you need for building WCF-based applications that are maintainable, extensible, and reusable. Author Juval Löwy -- one of the world's top .NET experts -- revised this edition to include the newest productivity-enhancing features of .NET Framework 4 and the Azure AppFabric Service Bus, as well as the latest WCF ideas and techniques. By teaching you the

why and the how of WCF programming, *Programming WCF Services* will help you master WCF and make you a better software engineer. Learn about WCF architecture and essential building blocks, including key concepts such as reliability and transport sessions. Use built-in features such as service hosting, instance and concurrency management, transactions, disconnected queued calls, security, and discovery. Master the Windows Azure AppFabric Service Bus, the most revolutionary piece of the new cloud computing initiative. Increase your productivity and the quality of your WCF services by taking advantage of relevant design options, tips, and best practices in Löwy's ServiceModelEx framework. Discover the rationale behind particular design decisions, and delve into rarely understood aspects of WCF development. "If you choose to learn WCF, you've chosen well. If you choose to learn with the resource and guidance of Juval Löwy, you've done even better... there are few people alive today who know WCF as well." --Ron Jacobs, Senior Technical Evangelist for WCF, Microsoft Corporation

*Programmers: protect and defend your Web apps against attack!* You may know ASP.NET, but if you don't understand how to secure your applications, you need this book. This vital guide explores the often-overlooked topic of teaching programmers how to design ASP.NET Web applications so as to prevent online thefts and security breaches. You'll start with a thorough look at ASP.NET 3.5 basics and see happens when you don't implement security, including some amazing examples. The book then delves into the development of a Web application, walking you through the vulnerable points at every phase. Learn to factor security in from the ground up, discover a wealth of tips and industry best practices, and explore code libraries and more resources provided by Microsoft and others. Shows you step by step how to implement the very latest security techniques. Reveals the secrets of secret-keeping—encryption, hashing, and not leaking information to begin with. Delves into authentication, authorizing, and securing sessions. Explains how to secure Web servers and Web services, including WCF and ASMX. Walks you through threat modeling, so you can anticipate problems. Offers best practices, techniques, and industry trends you can put to use right away. Defend and secure your ASP.NET 3.5 framework Web sites with this must-have guide.

*Visual Basic 2008 Black Book Is The Most Comprehensive Book That You Will Find On Visual Basic.Net. It Contains Useful Material On All The Concepts Of Visual Basic 2008, And At The Same Time, Teaches You*

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

If you work with identity solutions or structures, you will find *Beginning Windows CardSpace: From Novice to Professional* essential to understanding and successfully implementing CardSpace solutions. Topics

range from a fundamental discussion of identity to comprehensive coverage of Windows CardSpace. You'll learn what CardSpace is all about, where you can and should use it, and how you would implement it. Additionally, multiple case studies showcase different scenarios where the technology is employed. The book also includes high-quality demos with universal themes that are applicable to your own work.

Master the basics of XML as well as the namespaces and objects you need to know in order to work efficiently with XML. You'll learn extensive support for XML in everything from data access to configuration, from raw parsing to code documentation. You will see clear, practical examples that illustrate best practices in implementing XML APIs and services as part of your C#-based Windows 10 applications. *Beginning XML with C# 7* is completely revised to cover the XML features of .NET Framework 4.7 using C# 7 programming language. In this update, you'll discover the tight integration of XML with ADO.NET and LINQ as well as additional .NET support for today's RESTful web services and Web API. Written by a Microsoft Most Valuable Professional and developer, this book demystifies everything to do with XML and C# 7. **What You Will Learn:** Discover how XML works with the .NET Framework Read, write, access, validate, and manipulate XML documents Transform XML with XSLT Use XML serialization and web services Combine XML in ADO.NET and SQL Server Create services using Windows Communication Foundation Work with LINQ Use XML with Web API and more **Who This Book Is For :** Those with experience in C# and .NET new to the nuances of using XML. Some XML experience is helpful.

.NET 3.5 is Microsoft's largest development software launch since .NET 2.0 and (unlike .NET 3.0) completely replaces all previous .NET versions. A new version of Visual Studio - Visual Studio 'Orcas' is being created for the new Framework together with new versions of both the C# and Visual Basic languages. This book deals with this new C# language and provides developers with a complete treatise on the new technology - explaining the importance of all the new features (lambda expressions, LINQ, ASP.NET AJAX, WPF everywhere) and how they integrate into the framework of the previous .NET versions. It is a comprehensively revised and updated version of the author's previous award-winning titles. Microsoft's Windows Phone 7 handsets have injected a new vibrancy into the smartphone marketplace and provided bold new opportunities for the Microsoft development community. Now in its second

edition, *Beginning Windows Phone 7 Development* has been written to help you identify those opportunities and to learn the skills you'll need to harness them. It covers the very latest developments in the field, including the extended APIs offered in Microsoft's automatic platform update, so you'll have timely, accurate information at your fingertips. *Beginning Windows Phone 7 Development, Second Edition* starts with the basics, walking you through the process of downloading and setting up the right development tools, including Visual Studio, Expression Blend, Silverlight SDK, and Windows Phone SDK. It then takes you step-by-step through the development process as you build and deploy a working application, complete with a sophisticated user interface. Finally, you'll receive step-by-step instructions on selling your applications through the Windows Phone Marketplace.

Microsoft's Windows Phone 7 handsets have injected a new vibrancy into the smartphone marketplace and provided bold new opportunities for the Microsoft development community. Take advantage of these opportunities with *Beginning Windows Phone App Development*, written specifically to help you learn the skills you'll need to develop rich, functional apps for the Windows Phone 7 platform. Authors Henry Lee and Eugene Chuvyrov cover the very latest developments in the field—including the extended APIs offered in the new Mango platform update—so you'll have timely, accurate information at your fingertips. *Beginning Windows Phone App Development* starts with the basics, walking you through the process of downloading and setting up the right development tools, including Visual Studio, Expression Blend, Silverlight SDK, and Windows Phone SDK. It then takes you step-by-step through the development process as you build and deploy a working application, complete with a sophisticated user interface. Finally, you'll receive step-by-step instructions on packaging and selling your applications through the Windows Phone Marketplace. This essential classic title provides a comprehensive foundation in the C# programming language and the frameworks it lives in. Now in its 8th edition, you'll find all the very latest C# 7.1 and .NET 4.7 features here, along with four brand new chapters on Microsoft's lightweight, cross-platform framework, .NET Core, up to and including .NET Core 2.0. Coverage of ASP.NET Core, Entity Framework (EF) Core, and more, sits alongside the latest updates to .NET, including Windows Presentation Foundation (WPF), Windows Communication Foundation (WCF), and ASP.NET MVC. Dive in and

discover why Pro C# has been a favorite of C# developers worldwide for over 15 years. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). With the help of this book you'll have the confidence to put C# into practice and explore the .NET universe on your own terms.

**What You Will Learn** Discover the latest C# 7.1 features, from tuples to pattern matching Hit the ground running with Microsoft's lightweight, open source .NET Core platform, including ASP.NET Core MVC, ASP.NET Core web services, and Entity Framework Core Find complete coverage of XAML, .NET 4.7, and Visual Studio 2017 Understand the philosophy behind .NET and the new, cross-platform alternative, .NET Core

This easy-to-use introduction to Microsoft Windows Communication Foundation (WCF) is ideal for developers who want to learn to build services on a company network or as part of an enterprise system. Built into Windows Vista and Longhorn, and available for Windows XP and Windows 2003, WCF provides a platform for service-oriented architecture (SOA) that enables secure and reliable communication

among systems within an organization or across the Internet. With WCF, software developers can focus on their business applications and not the plumbing required to connect them. Furthermore, with WCF developers can learn a single programming API to achieve results previously provided by ASMX, Enterprise Services and .NET Remoting. Learning WCF removes the complexity of using this platform by providing detailed answers, explanations and code samples for the most common questions asked by software developers. Windows Communication Foundation (or WCF, formerly code name "Indigo") provides a set of programming APIs that make it easy to build and consume secure, reliable, and transacted services. This platform removes the need for developers to learn different technologies such as ASMX, Enterprise Services and .NET Remoting, to distribute system functionality on a corporate network or over the Internet. The first truly service-oriented platform, WCF provides innovations that decouple service design and development from deployment and distribution - creating a more flexible and agile environment. WCF also encapsulates all of the latest web service standards for addressing, security, reliability and more. If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want. Programming Entity Framework, 1st

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