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# Professional C 6 And Net Core 1 0

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Brutally honest advice for new .NET Web Developers .NET 6 | Everything You NEED to Know Learn C# - Full Course with Mini-Projects  
Microsoft FINALLY killed it ASP.NET Core Full Course For Beginners Movie store project in dot net 6 mvc | dot net core project The  
Ultimate .NET Developer Roadmap in 2024 Industry Level REST API using .NET 6 - Tutorial for Beginners The Easiest Way to Create  
PDFs in .NET The Ultimate .NET Version Guide ASP.NET Core MVC CRUD Operations using .NET 8 and Entity Framework Core - MVC For  
Beginners Tutorial What Is The Best C# Book? What Is the Best C# Resource? C# In Depth Why .NET 6 is the BEST yet! Learn ASP.NET  
Core MVC (.NET 6) - Full Course Why Startups Hate .NET and C# ASP.NET, C# (Csharp) Job Market Analysis for the year 2024 Python  
and .NET (C#/F#/TypeScript/etc.) Bundles .NET Framework vs .NET Core vs .NET vs .NET Standard vs C#

NET Programming

CLR Via C#

Mastering C# and .NET Framework

Professional C# 6 and .NET Core 1.0

Pro VB 2008 and the .NET 3.5 Platform

Professional C# 7 and .NET Core 2.0

Professional C# 7 and .NET Core 2.0

C# 6 and .NET Core 1.0: Modern Cross-Platform Development

Professional ASP.NET 4 in C# and VB

Pro .NET Performance

Professional C# and .NET

Learning ASP.NET Core 2.0

C# 6.0 and the .NET 4.6 Framework

Blazor in Action

Head First C#

Murach's ASP. NET 4. 6 Web Programming with C# 2015

Pro C# 9 with .NET 5  
Hands-On Network Programming with C# and .NET Core

*Professional C 6 And Net Core 1 0*

*OMB No. 9082058947715 edited by*

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## **BRENDEN KARTER**

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### **NET Programming** John Wiley & Sons

This is the eBook version of the print title, Framework Design Guidelines, Second Edition . Access to all the samples, applications, and content on the DVD is available through the product catalog page [www.informit.com/title/9780321545619](http://www.informit.com/title/9780321545619) Navigate to the "Downloads" tab and click on the "DVD Contents" links - see instructions in back pages of your eBook. Framework Design Guidelines, Second Edition, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework

Guidelines for the design and extending of types and members of types Issues affecting-and guidelines for ensuring-extensibility How (and how not) to design exceptions Guidelines for-and examples of-common framework design patterns Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. Framework Design Guidelines, Second Edition, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the Designing .NET Class Libraries video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included.

*CLR Via C#* Pearson Education

The Model Rules of Professional Conduct provides an up-to-date resource for information on legal ethics. Federal, state and local courts in all jurisdictions look to the Rules for guidance in solving lawyer malpractice cases, disciplinary actions, disqualification issues, sanctions questions and much more. In this volume, black-letter Rules of Professional Conduct are followed by numbered Comments that explain each Rule's purpose and

provide suggestions for its practical application. The Rules will help you identify proper conduct in a variety of given situations, review those instances where discretionary action is possible, and define the nature of the relationship between you and your clients, colleagues and the courts.

*Mastering C# and .NET Framework* Packt Publishing Ltd

This book provides a complete A-to-Z reference for using VB with the .NET 2.0 platform and the .NET 3.0 extensions. It contains new chapters that explore the interactions between the existing framework and the new extensions, offering readers an edge when they evaluate and implement .NET 3.0 for the first time. To provide even more support, the book comes with a bonus CD that provides over 500 pages of carefully selected additional content to help broaden a reader's understanding of both .NET 2.0 and .NET 3.0.

*Professional C# 6 and .NET Core 1.0* John Wiley & Sons

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 like 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.

*Pro VB 2008 and the .NET 3.5 Platform* American Bar Association

A comprehensive guide to understanding network architecture, communication protocols, and network analysis to build secure applications compatible with the latest versions of C# 8 and .NET Core 3.0 Key FeaturesExplore various network architectures that make distributed programming possibleLearn how to make reliable software by writing secure interactions between clients and serversUse .NET Core for network device automation, DevOps, and software-defined networkingBook Description The C# language and the .NET Core application framework provide the tools and patterns required to make the discipline of network programming as intuitive and enjoyable as any other aspect of C# programming. With the help of this book, you will discover how the C# language and the .NET Core framework make this possible. The book begins by introducing the core concepts of network programming, and what distinguishes this field of programming from other disciplines. After this, you will gain insights into concepts such as transport protocols, sockets and ports, and remote data streams, which will provide you with a holistic understanding of how network software fits into larger distributed systems. The book will also explore the intricacies of how network software is implemented in a more explicit context, by covering sockets, connection strategies such as Transmission Control Protocol (TCP) and User Datagram Protocol (UDP), asynchronous processing, and threads. You will then be able to

work through code examples for TCP servers, web APIs served over HTTP, and a Secure Shell (SSH) client. By the end of this book, you will have a good understanding of the Open Systems Interconnection (OSI) network stack, the various communication protocols for that stack, and the skills that are essential to implement those protocols using the C# programming language and the .NET Core framework. What you will learn

Understand the breadth of C#'s network programming utility classes  
Utilize network-layer architecture and organizational strategies  
Implement various communication and transport protocols within C#  
Discover hands-on examples of distributed application development  
Gain hands-on experience with asynchronous socket programming and streams  
Learn how C# and the .NET Core runtime interact with a hosting network  
Understand a full suite of network programming tools and features

Who this book is for  
If you're a .NET developer or a system administrator with .NET experience and are looking to get started with network programming, then this book is for you. Basic knowledge of C# and .NET is assumed, in addition to a basic understanding of common web protocols and some high-level distributed system designs.

#### Professional C# 7 and .NET Core 2.0 Apress

This new edition of Pro C# 5.0 and the .NET 4.5 Platform has been completely revised and rewritten to reflect the latest changes to the C# language specification and new advances in the .NET Framework. You'll find new chapters covering all the important new features that make .NET 4.5 the most comprehensive release yet, including: .NET APIs for Windows 8 style UI apps  
New asynchronous task-based model for async

operations  
How HTML5 support is being wrapped into C# web applications  
New programming interfaces for HTTP applications, including improved IPv6 support  
Expanded WPF, WCF and WF libraries giving C# more power than ever before  
This comes on top of award winning coverage of core C# features, both old and new, that have made the previous editions of this book so popular (you'll find everything from generics to pLINQ covered here). 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.

### **PROFESSIONAL C# 7 AND .NET CORE 2.0**

O'Reilly Media

If you know how to create Windows applications using C#, you're ready to learn Web Forms programming with our classic ASP.NET book. It will get you off to a fast start whether or not you have done any web programming. It will teach you the skills you need to develop bullet-proof web applications on the job.

### **C# 6 AND .NET CORE 1.0: MODERN CROSS-PLATFORM DEVELOPMENT**

John Wiley & Sons

Get the latest coverage of the newest features in C#9 and .NET 5  
In Professional C# and .NET: 2021 Edition, Microsoft MVP for

Visual Studio and Development Technologies and veteran developer, Christian Nagel, delivers a comprehensive tour of the new features and capabilities of C#9 and .NET 5. Experienced programmers making the transition to C# will benefit from the author's in-depth explorations to create Web- and Windows applications using ASP.NET Core, Blazor, and WinUI using modern application patterns and new features offered by .NET including Microservices deployed to Docker images, GRPC, localization, asynchronous streaming, and much more. The book also offers: Discussions of the extension of .NET to non-Microsoft platforms like OSX and Linux Explanations of the newest features in C#9, including support for record types, and enhanced support for tuples, pattern matching, and nullable reference types Integrating .NET applications with Microsoft Azure services such as Azure App Configuration, Azure Key Vault, Azure Functions, the Azure Active Directory, and others Downloadable code examples from wrox.com and github.com with online updates for C# 10 and .NET 6 Perfect for programmers with a background in C#, Visual Basic, Java, or C/C++, Professional C# and .NET: 2021 Edition will also earn a place in the libraries of software architects seeking an up-to-date and fulsome treatment of the latest C# and .NET releases.

#### Professional ASP.NET 4 in C# and VB Pearson Education

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional

statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title:

Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

## PRO .NET PERFORMANCE

Packt Publishing Ltd

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

everything you need to know about working with C# in a real-world context.

## PROFESSIONAL C# AND .NET

Apress

Welcome to the most comprehensive foundational guide available on the topic of C# coding and .NET. This book goes beyond “do this, to achieve this” to drill down into the core stuff that makes a good developer, great. This expanded 11th edition delivers loads of new content on Entity Framework, Razor Pages, Web APIs and more. You will find the latest C# 10 and .NET 6 features served up with plenty of “behind the curtain” discussion designed to expand developers’ critical thinking skills when it comes to their craft. Coverage of ASP.NET Core, Entity Framework Core, and more sits alongside the latest updates to the new unified .NET platform, from performance improvements to Windows Desktop apps on .NET 6, updates in XAML tooling, and expanded coverage of data files and data handling. Going beyond the latest features in C# 10, all code samples are rewritten for this latest release. Dive in and discover why this essential classic is a favorite of C# developers worldwide. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections, and numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). Pro C# 10 with .NET 6 will build your coding confidence putting C# into practice, and exploring the .NET universe and its vast potential on your own terms. What You Will Learn Explore C# 10 features and updates in records and record structs, global and implicit using directives,

file level namespaces, extended property patterns, and more Develop applications with C# and modern frameworks for services, web, and smart client applications Hit the ground running with ASP.NET Core web applications using MVC and Razor Pages, including view components, custom tag helpers, custom validation, GDPR support, and areas Build ASP.NET RESTful services complete with versioning, enhanced swagger, and basic authentication Embrace Entity Framework Core for building real-world, data-centric applications, with deeply expanded coverage new to this edition including SQL Server temporal table support Dive into Windows Desktop Apps on .NET 6 using Windows Presentation Foundation Understand the philosophy behind .NET Discover the new features in .NET 6, including single file applications, smaller container images, and more Who This Book Is For Developers of any level who want to either learn C# and .NET or want to take their skills to the next level. “Amazing! Provides easy-to-follow explanations and examples. I remember reading the first version of this book; this is a ‘must-have’ for your collection if you are learning .NET!” – Rick McGuire, Senior Application Development Manager, Microsoft “Phil is a journeyman programmer who brings years of experience and a passion for teaching to make this fully revised and modernized ‘classic’ a ‘must-have’. Any developer who wants full-spectrum, up-to-date coverage of both the C# language and how to use it with .NET and ASP.NET Core should get this book.” – Brian A. Randell, Partner, MCW Technologies and Microsoft MVP [Learning ASP.NET Core 2.0](#) John Wiley & Sons Get the latest coverage of the newest features in C#9 and .NET 5 In Professional C# and .NET: 2021 Edition, Microsoft MVP for

Visual Studio and Development Technologies and veteran developer, Christian Nagel, delivers a comprehensive tour of the new features and capabilities of C#9 and .NET 5. Experienced programmers making the transition to C# will benefit from the author's in-depth explorations to create Web- and Windows applications using ASP.NET Core, Blazor, and WinUI using modern application patterns and new features offered by .NET including Microservices deployed to Docker images, GRPC, localization, asynchronous streaming, and much more. The book also offers: Discussions of the extension of .NET to non-Microsoft platforms like OSX and Linux Explanations of the newest features in C#9, including support for record types, and enhanced support for tuples, pattern matching, and nullable reference types Integrating .NET applications with Microsoft Azure services such as Azure App Configuration, Azure Key Vault, Azure Functions, the Azure Active Directory, and others Downloadable code examples from wrox.com and github.com with online updates for C# 10 and .NET 6 Perfect for programmers with a background in C#, Visual Basic, Java, or C/C++, Professional C# and .NET: 2021 Edition will also earn a place in the libraries of software architects seeking an up-to-date and fulsome treatment of the latest C# and .NET releases.

## **C# 6.0 AND THE .NET 4.6 FRAMEWORK**

Apress

Deep dive into C# and .NET architecture to build efficient, powerful applications About This Book Uniquely structured content to help you understand what goes on under the hood of .NET's managed code platform to master .NET programming

Deep dive into C# programming and how the code executes via the CLR Packed with hands-on practical examples, you'll understand how to write applications to make full use of the new features of .NET 4.6, .NET Core and C# 6/7 Who This Book Is For This book was written exclusively for .NET developers. If you've been creating C# applications for your clients, at work or at home, this book will help you develop the skills you need to create modern, powerful, and efficient applications in C#. No knowledge of C# 6/7 or .NET 4.6 is needed to follow along—all the latest features are included to help you start writing cross-platform applications immediately. You will need to be familiar with Visual Studio, though all the new features in Visual Studio 2015 will also be covered. What You Will Learn Understand C# core concepts in depth, from sorting algorithms to the Big O notation Get up to speed with the latest changes in C# 6/7 Interface SQL Server and NoSQL databases with .NET Learn SOLID principles and the most relevant GoF Patterns with practical examples in C# 6.0 Defend C# applications against attacks Use Roslyn, a self-hosted framework to compile and advanced edition in both C# and Visual basic .NET languages Discern LINQ and associated Lambda expressions, generics, and delegates Design a .NET application from the ground up Understand the internals of a .NET assembly Grasp some useful advanced features in optimization and parallelism In Detail Mastering C# and .NET Framework will take you in to the depths of C# 6.0/7.0 and .NET 4.6, so you can understand how the platform works when it runs your code, and how you can use this knowledge to write efficient applications. Take full advantage of the new revolution in .NET development, including open source



status and cross-platform capability, and get to grips with the architectural changes of CoreCLR. Start with how the CLR executes code, and discover the niche and advanced aspects of C# programming – from delegates and generics, through to asynchronous programming. Run through new forms of type declarations and assignments, source code callers, static using syntax, auto-property initializers, dictionary initializers, null conditional operators, and many others. Then unlock the true potential of the .NET platform. Learn how to write OWASP-compliant applications, how to properly implement design patterns in C#, and how to follow the general SOLID principles and its implementations in C# code. We finish by focusing on tips and tricks that you'll need to get the most from C# and .NET. This book also covers .NET Core 1.1 concepts as per the latest RTM release in the last chapter. Style and approach This book uses hands-on practical code examples that will take you into the depths of C# and .NET. Packed with hands-on practical examples, it is great as a tutorial, or as a reference guide.

### **Blazor in Action** Apress

Dig deep and master the intricacies of the common language runtime (CLR) and the .NET Framework. Written by a highly regarded programming expert and consultant to the Microsoft .NET team, this guide is ideal for developers building any kind of application—including Microsoft ASP.NET, Windows Forms, Microsoft SQL Server, Web services, and console applications. You'll get hands-on instruction and extensive code C# code samples to help you tackle the tough topics and develop high-performance applications. Discover how to: Build, deploy, administer, and version applications, components, and shared

assemblies Design types using constants, fields, constructors, methods, properties, and events Work effectively with the CLR's special types including enumerators, arrays, and strings Declare, create, and use delegates to expose callback functions Define and employ re-usable algorithms with interfaces and generics Define, use, and detect custom attributes Use exception handling to build robust, reliable, and security-enhanced components Manage memory automatically with the garbage collector and work with native resources Apply CLR Hosting, AppDomains, assembly loading, and reflection to build dynamically extensible applications PLUS--Get code samples on the Web

### **Head First C#** John Wiley & Sons

This essential classic provides a comprehensive foundation in the C# programming language and the framework it lives in. Now in its 10th edition, you will find the latest C# 9 and .NET 5 features served up with plenty of "behind the curtain" discussion designed to expand developers' critical thinking skills when it comes to their craft. Coverage of ASP.NET Core, Entity Framework Core, and more, sits alongside the latest updates to the new unified .NET platform, from performance improvements to Windows Desktop apps on .NET 5, updates in XAML tooling, and expanded coverage of data files and data handling. Going beyond the latest features in C# 9, all code samples are rewritten for this latest release. Dive in and discover why this book is a favorite of C# developers worldwide. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections, and numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). With the help of Pro C# 9 with .NET 5 you will gain the confidence

to put C# into practice, and explore the .NET universe and its vast potential on your own terms. What You Will Learn Explore C# 9 features and updates in records, immutable classes, init only setters, top-level statements, patterns, and more Hit the ground running with ASP.NET Core web applications and web services Embrace Entity Framework Core for building real-world, data-centric applications, with deeply expanded coverage new to this edition Develop applications with C# and modern frameworks for services, web, and smart client applications Understand the philosophy behind .NET Discover the new features in .NET 5, including single file applications and smaller container images, Windows ARM64 support, and more Dive into Windows Desktop Apps on .NET 5 using Windows Presentation Foundation Check out performance improvements included with updates to ASP.NET Core, Entity Framework Core, and internals like garbage collection, System.Text.Json, and container size optimization Who This Book Is For Developers who are interested in .NET programming and the C# language “Amazing! Provides easy-to-follow explanations and examples. I remember reading the first version of this book; this is a ‘must-have’ for your collection if you are learning .NET!” – Rick McGuire, Senior Application Development Manager, Microsoft “Phil is a journeyman programmer who brings years of experience and a passion for teaching to make this fully revised and modernized ‘classic’ a ‘must-have’. Any developer who wants full-spectrum, up-to-date coverage of both the C# language and how to use it with .NET and ASP.NET Core should get this book.” – Brian A. Randell, Partner, MCW Technologies and Microsoft MVP Murach's ASP. NET 4. 6 Web Programming with C# 2015 Apress

Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic.

This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC

*Pro C# 9 with .NET 5* Simon and Schuster

Professional C# 6 and .NET Core 1.0 John Wiley & Sons

## **HANDS-ON NETWORK PROGRAMMING WITH C# AND .NET CORE**

Mike Murach and Associates, Incorporated

Written for C# 2.0 and .NET 2.0: contains coverage of generics, Master Pages, the DataGridView, and other new features Covers Web development, Windows development, data management, security, threading, remoting, and much more Presents hundreds of non-trivial code examples that help you solve real-world

problems The Complete and Comprehensive Developer's Guide to C# 2.0 and .NET 2.0 Core C# and .NET is the no-nonsense, example-rich guide to achieving exceptional results with C# 2.0 and .NET 2.0. Writing for experienced programmers, Stephen Perry presents today's best practices for leveraging both C# 2.0 language features and Microsoft's .NET 2.0 infrastructure. Like all books in the Core Series, Core C# and .NET focuses on solving real-world problems with serious, non-trivial code. Perry's broad, deep coverage ranges from new C# generics to Web services, from reflection to security. He systematically introduces the development of Windows Forms applications and the effective use of GDI+ graphics classes. He offers detailed guidance on data management with XML and ADO.NET, plus advanced coverage of threading, remoting, and code security. Finally, Perry presents an extensive section on Web development, covering ASP.NET, state management, HTTP requests, and much more. With practical insights into everything from scalability to localization, this is the C# book you've been searching for: your definitive guide to building production-quality C# applications. Core C# and .NET delivers Best practices for building C#/.NET Windows applications, Web applications, and Web services Expert insight into security, scalability, and other crucial issues Hundreds of professional-quality code examples In-depth coverage of the latest C# 2.0 features, including generics EVERY CORE SERIES BOOK: DEMONSTRATES practical techniques used by professional developers FEATURES robust, thoroughly tested sample code and realistic examples FOCUSES on the cutting-edge technologies you need to master today PROVIDES expert advice that will help you build superior software © Copyright Pearson Education. All rights

reserved.

C# 10 and .NET 6 – Modern Cross-Platform Development Apress Intermediate to advanced technique coverage, updated for C# 2012 and .NET 4.5 This guide is geared towards experienced programmers looking to update and enhance their skills in writing Windows applications, web apps, and Metro apps with C# and .NET 4.5. Packed with information about intermediate and advanced features, this book includes everything professional developers need to know about C# and putting it to work. Covers challenging .NET features including Language Integrated Query (LINQ), LINQ to SQL, LINQ to XML, WCF, WPF, Workflow, and Generics Puts the new Async keyword to work and features refreshers on .NET architecture, objects, types, inheritance, arrays, operators, casts, delegates, events, strings, regular expressions, collections, and memory management Explores new options and interfaces presented by Windows 8 development, WinRT, and Metro style apps Includes traditional Windows forms programming, ASP.NET web programming with C#, and working in Visual Studio 2012 with C# Professional C# 2012 and .NET 4.5 is a comprehensive guide for experienced programmers wanting to maximize these technologies.

C# 9 and .NET 5 – Modern Cross-Platform Development Apress Essential C# 3.0 is an extremely well-written and well-organized “no-fluff” guide to C# 3.0, which will appeal to programmers at all levels of experience with C#. This fully updated edition dives deep into the new features that are revolutionizing programming, with brand new chapters covering query expressions, lambda

expressions, extension methods, collection interface extensions, standard query operators, and LINQ as a whole. Author Mark Michaelis covers the C# language in depth, and each important construct is illustrated with succinct, relevant code examples. (Complete code examples are available online.) Graphical “mind maps” at the beginning of each chapter show what material is covered and how each topic relates to the whole. Topics intended for beginners and advanced readers are clearly marked. Following an introduction to C#, readers learn about C# primitive data types, value types, reference types, type conversions, and arrays Operators and control flow, loops, conditional logic, and sequential programming Methods, parameters, exception handling, and structured programming Classes, inheritance, structures, interfaces, and object-oriented programming Well-formed types, operator overloading, namespaces, and garbage collection Generics, collections, custom collections, and iterators Delegates and lambda expressions Standard query operators and query expressions LINQ: language integrated query Reflection, attributes, and declarative programming Threading, synchronization, and multithreaded patterns Interoperability and unsafe code The Common Language Infrastructure that underlies C# Whether you are just starting out as a programmer, are an experienced developer looking to learn C#, or are a seasoned C# programmer interested in learning the new features of C# 3.0, Essential C# 3.0 gives you just what you need to quickly get up and running writing C# applications.

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