

.net Framework App

Thuan L. Thai, Hoang Q. Lam

C# 10 and .NET 6 – Modern Cross-Platform

Development Mark J. Price, 2021-11-09 Publisher's Note:

Microsoft will stop supporting .NET 6 from November 2024.

The newer 8th edition of the book is available that covers .NET 8 (end-of-life November 2026) with C# 12 and EF Core 8.

Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore the newest additions to C# 10,

the .NET 6 class library, and Entity Framework Core 6

Create professional websites and services with ASP.NET

Core 6 and Blazor Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book

DescriptionExtensively revised to accommodate all the latest features that come with C# 10 and .NET 6, this latest edition of our comprehensive guide will get you coding in

C# with confidence. You'll learn object-oriented

programming, writing, testing, and debugging functions,

implementing interfaces, and inheriting classes. The book

covers the .NET APIs for performing tasks like managing

and querying data, monitoring and improving performance,

and working with the filesystem, async streams, and

serialization. You'll build and deploy cross-platform apps,

such as websites and services using ASP.NET Core. Instead

of distracting you with unnecessary application code, the

first twelve chapters will teach you about C# language

constructs and many of the .NET libraries through simple

console applications. In later chapters, having mastered the

basics, you'll then build practical applications and services

using ASP.NET Core, the Model-View-Controller (MVC)

pattern, and Blazor.What you will learn Build rich web

experiences using Blazor, Razor Pages, the Model-View-

Controller (MVC) pattern, and other features of ASP.NET

Core Build your own types with object-oriented

programming Write, test, and debug functions Query and

manipulate data using LINQ Integrate and update databases in your apps using Entity Framework Core, Microsoft SQL Server, and SQLite Build and consume powerful services using the latest technologies, including gRPC and GraphQL Build cross-platform apps using XAML Who this book is for Designed for both beginners and C# and .NET programmers who have worked with C# in the past and want to catch up with the changes made in the past few years, this book doesn't need you to have any C# or .NET experience. However, you should have a general understanding of programming before you jump in.

Applied Microsoft .NET Framework Programming in Microsoft Visual Basic .NET Jeffrey Richter, Francesco Balena, 2003 The Microsoft .NET Framework provides powerful technologies such as ASP.NET Web Forms, XML Web services, and Windows Forms to simplify developing applications and components that work seamlessly on the Internet. This book shows how to make the most of the .NET Framework's common language runtime (CLR). Written by two highly respected developer/writers and intended for anyone who understands OOP concepts such as data abstraction, inheritance, and polymorphism, this book clearly explains the extensible type system of the CLR, examines how the CLR manages the behavior of types, and explores how an application manipulates types. While focusing on Visual Basic .NET, its in-depth explanations and concepts apply equally to all programming languages that target the .NET Framework. Topics covered include: The .NET Framework architecture Building, packaging, deploying, and administering applications and their types Building and deploying shared assemblies Type fundamentals Primitive, reference, and value types Operations common to all objects Type members and accessibility Constants, fields, methods, properties, and

events Working with text Enumerated types and bit flags
Array types Interfaces Custom attributes Delegates Error
handling with exceptions Automatic memory management
AppDomains and reflection

Mastering C# and .NET Framework Marino

Posadas, 2016-12-15 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.

Application Development Using C# and .NET

Michael Stiefel, Robert J. Oberg, 2002 The practical guide to C# .NET development for experienced programmers. Running case study covers the entire .NET development process. .NET attributes, collections, threading, security, versioning, remoting, and more.

NET Framework Essentials Thuan L. Thai, Hoang Q.

Lam,2001 .NET Framework Essentials is an objective, concise, and technical overview of the new Microsoft .NET Framework for developing web applications and services. Specifically written for intermediate to advanced VB, C/C++, Java, and Delphi developers, .NET Framework Essentials is also useful to system architects and leaders who are assessing tools for future projects. The authors devote special attention to the writing of .NET components plus web applications and services. This book takes on all of the most important .NET Framework topics--from the underlying Common Language Runtime (CLR) to its specialized packages for ASP.NET, Web Forms, Windows Forms, XML and data access (ADO.NET). The authors survey each of the major .NET languages, including VB.NET, C#, and Managed C++, as well as MSIL, the intermediate language understood by the CLR. They've included working code samples in every .NET language. Compact and free of fluff or proprietary hype, .NET Framework Essentials is an outstanding value for experienced programmers and architects who need to get up to speed quickly on a far-reaching new technology.

Apps and Services with .NET 7 Mark J.

Price,2022-11-15 Bestselling author Mark Price is back to guide you through the coolest and most common technologies a .NET developer should know: Blazor, .NET MAUI, gRPC, GraphQL, SQL Server, Cosmos DB, OData, SignalR, Azure Functions, and more! Purchase of the print or Kindle book includes a free eBook in PDF format. Key FeaturesBuild services using a variety of technologies including Web API, OData, gRPC, GraphQL, SignalR, and Azure FunctionsLearn how to use specialized libraries to improve all aspects of your applications, including performance and localizationLeverage .NET MAUI to develop cross-platform desktop and mobile apps with easeBook

Description Apps and Services with .NET 7 is for .NET 6 and .NET 7 developers who want to kick their C# and .NET understanding up a gear by learning the practical skills and knowledge they need to build real-world applications and services. It covers specialized libraries that will help you monitor and improve performance, secure your data and applications, and internationalize your code and apps. With chapters that put a variety of technologies into practice, including Web API, OData, gRPC, GraphQL, SignalR, and Azure Functions, this book will give you a broader scope of knowledge than other books that often focus on only a handful of .NET technologies. It covers the latest developments, libraries, and technologies that will help keep you up to date. You'll also leverage .NET MAUI to develop mobile apps for iOS and Android as well as desktop apps for Windows and macOS. What you will learn Learn how to build more efficient, secure, and scalable apps and services Leverage specialized .NET libraries to improve your applications Implement popular third-party libraries like Serilog and FluentValidation Build cross-platform apps with .NET MAUI and integrate with native mobile features Get familiar with a variety of technologies for implementing services like gRPC and GraphQL Explore Blazor WebAssembly and use open-source Blazor component libraries Store and manage data locally and in the cloud with SQL Server and Cosmos DB Who this book is for This book is for .NET developers interested in exploring more specialized libraries and implementation fundamentals behind building services and apps. You'll need to know your way around .NET and C# quite well before you can dive in, so if you want to work your way up to this book, pick up Mark's other .NET book, C# 11 and .NET 7 – Modern Cross-Platform Development Fundamentals, first.

.NET Framework Essentials Thuan Thai, Hoang Lam, 2003

This concise guide for experienced programmers and software architects is a complete no-nonsense overview of key elements and programming languages central to all .NET application development

Enterprise Application Development with C# 9 and .NET 5 Ravindra Akella, Arun Kumar Tamirisa, Suneel Kumar Kunani, Bhupesh Guptha Muthiyalu, 2021-03-19
Become a professional .NET developer by learning expert techniques for building enterprise-grade applications
Key Features
Explore the advanced features of C# and .NET 5 to enhance your code and productivity
Follow clear and easy instructions for building an end-to-end enterprise application
Learn how to build scalable web applications and host them on the cloud
Book Description
.NET Core is one of the most popular programming platforms in the world for an increasingly large community of developers thanks to its excellent cross-platform support. This book will show you how to confidently use the features of .NET 5 with C# 9 to build robust enterprise applications. Throughout the book, you'll work on creating an enterprise app and adding a key component to the app with each chapter, before finally getting it ready for testing and deployment. You'll learn concepts relating to advanced data structures, the Entity Framework Core, parallel programming, and dependency injection. As you progress, you'll cover various authentication and authorization schemes provided by .NET Core to make your apps and APIs secure. Next, you'll build web apps using ASP.NET Core 5 and deploy them on the cloud while working with various cloud components using Azure. The book then shows you how to use the latest Microsoft Visual Studio 2019 and C# 9 to simplify developer tasks, and also explores tips and tricks in Visual Studio 2019 to improve your productivity. Later, you'll discover various testing techniques such as unit testing and performance

testing as well as different methods to deploy enterprise apps. By the end of this book, you'll be able to create enterprise apps using the powerful features of .NET 5 and deploy them on the cloud. What you will learn

- Design enterprise apps by making the most of the latest features of .NET 5
- Discover different layers of an app, such as the data layer, API layer, and web layer
- Explore end-to-end architecture, implement an enterprise web app using .NET and C# 9, and deploy the app on Azure
- Focus on the core concepts of web application development such as dependency injection, caching, logging, configuration, and authentication, and implement them in .NET 5
- Integrate the new .NET 5 health and performance check APIs with your app
- Understand how .NET 5 works and contribute to the .NET 5 platform

Who this book is for If you are a developer, architect, or senior programmer who wants to leverage the features of .NET 5 and the C# language, as well as grasp essential techniques to build your skills, then this C# .NET 5 book is for you. Beginner to intermediate-level knowledge of the .NET framework and C# programming is required to understand the concepts covered in this book more effectively.

Net Common Language Runtime Unleashed Kevin R. Burton, 2002 The .NET Framework provides a runtime environment called the Common Language Runtime, which manages the execution of code and provides services that make the development of robust software easier. The Common Language Runtime (CLR) provides a solid foundation for developers to build various types of applications. Whether a developer is writing an ASP.NET application, a Windows Forms application, a Web Service, a mobile code application, a distributed application, or an application that combines several of these application models, the CLR provides huge benefits such as simplified

development and the ability to integrate code written in various languages. This book is a high-end comprehensive reference to the capability of the CLR. The samples in the book have been written so that they not only illustrate a principle but give the reader a springboard to quickly translate the sample to practical, real-world applications. After reading this book, readers will be able to significantly increase their productivity by comfortably using the power and expressiveness of the Common Language Runtime in their applications. This book will take the reader beyond the syntax of C# to using and understanding the CLR to build secure, maintainable, and high performance applications.

C# 8.0 and .NET Core 3.0 - Modern Cross-Platform Development Mark J. Price, 2019-10-31 Publisher's Note: Microsoft stops supporting .NET Core 3.1 in December 2022. The newer 7th edition of this book is available that covers .NET 7 (end-of-life May 2024) or .NET 6 (end-of-life November 2024), with C# 11 and EF Core 7. Key Features Build modern, cross-platform applications with .NET Core 3.0 Get up to speed with C#, and up to date with all the latest features of C# 8.0 Start creating professional web applications with ASP.NET Core 3.0 Book Description In C# 8.0 and .NET Core 3.0 - Modern Cross-Platform Development, Fourth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with new chapters on Content Management Systems (CMS) and machine learning with ML.NET. The book covers all the topics you need. Part 1 teaches the fundamentals of C#, including object-oriented programming, and new C# 8.0 features such as nullable reference types, simplified switch pattern matching, and default interface methods. Part 2

covers the .NET Standard APIs, such as managing and querying data, monitoring and improving performance, working with the filesystem, async streams, serialization, and encryption. Part 3 provides examples of cross-platform applications you can build and deploy, such as web apps using ASP.NET Core or mobile apps using Xamarin.Forms. The book introduces three technologies for building Windows desktop applications including Windows Forms, Windows Presentation Foundation (WPF), and Universal Windows Platform (UWP) apps, as well as web applications, web services, and mobile apps. What you will learn Build cross-platform applications for Windows, macOS, Linux, iOS, and Android Explore application development with C# 8.0 and .NET Core 3.0 Explore ASP.NET Core 3.0 and create professional web applications Learn object-oriented programming and C# multitasking Query and manipulate data using LINQ Use Entity Framework Core and work with relational databases Discover Windows app development using the Universal Windows Platform and XAML Build mobile applications for iOS and Android using Xamarin.Forms Who this book is for Readers with some prior programming experience or with a science, technology, engineering, or mathematics (STEM) background, who want to gain a solid foundation with C# 8.0 and .NET Core 3.0.

Learning ASP.NET Core 2.0 Jason De Oliveira, Michel Bruchet, 2017-12-14 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

C# 9 and .NET 5 - Modern Cross-Platform

Development Mark J. Price, 2020-11-10 Publisher's Note: Microsoft stopped supporting .NET 5 in May 2022. The newer 8th edition of the book is available that covers .NET 8 (end-of-life November 2026) with C# 12 and EF Core 8. Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor Strengthen your command of ASP.NET Core 5.0 and create professional websites and services Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description In C# 9 and .NET 5 - Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file system, async streams, serialization,

and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C# language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps.

What you will learn

- Build your own types with object-oriented programming
- Query and manipulate data using LINQ
- Build websites and services using ASP.NET Core 5
- Create intelligent apps using machine learning
- Use Entity Framework Core and work with relational databases
- Discover Windows app development using the Universal Windows Platform and XAML
- Build rich web experiences using the Blazor framework
- Build mobile applications for iOS and Android using Xamarin.Forms

Who this book is for

This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book.

Programming .NET Components Juval

Lowy, 2005-07-27 Brilliantly compiled by author Juval Lowy, *Programming .NET Components*, Second Edition is the consummate introduction to the Microsoft .NET Framework--

the technology of choice for building components on Windows platforms. From its many lessons, tips, and guidelines, readers will learn how to use the .NET Framework to program reusable, maintainable, and robust components. Following in the footsteps of its best-selling predecessor, *Programming .NET Components, Second Edition* has been updated to cover .NET 2.0. It remains one of the few practical books available on this topic. This invaluable resource is targeted at anyone who develops complex or enterprise-level applications with the .NET platform--an ever-widening market. In fact, nearly two million Microsoft developers worldwide now work on such systems. *Programming .NET Components, Second Edition* begins with a look at the fundamentals of component-oriented programming and then progresses from there. It takes the time to carefully examine how components can simplify and add flexibility to complex applications by allowing users to extend their capabilities. Next, the book introduces a variety of .NET essentials, as well as .NET development techniques. Within this discussion on component development, a separate chapter is devoted to each critical development feature, including asynchronous calls, serialization, remoting, security, and more. All the while, hazardous programming pitfalls are pointed out, saving the reader from experiencing them the hard way. A .NET expert and noted authority on component-oriented programming, Lowy uses his unique access to Microsoft technical teams to the best possible advantage, conveying detailed, insider information in easy-to-grasp, activity-filled language. This hands-on approach is designed to allow individuals to learn by doing rather than just reading. Indeed, after digesting *Programming .NET Components, Second Edition*, readers should be able to start developing .NET components immediately. *Programming .NET*

Components, Second Edition is the consummate introduction to the Microsoft .NET Framework--the technology of choice for building components on Windows platforms. From its many lessons, tips, and guidelines, readers will learn how to use the .NET Framework to program reusable, maintainable, and robust components. Following in the footsteps of its best-selling predecessor, Programming .NET Components, Second Edition has been updated to cover .NET 2.0. This invaluable resource is targeted at anyone who develops complex or enterprise-level applications with the .NET platform--an ever-widening market.

Windows 8 App Projects - XAML and C# Edition Nico Vermeir, 2013-04-01 Become a leading Windows 8 app developer by using Windows 8 App Projects - XAML and C# Edition to learn techniques, tools, and ideas to create successful, 5-star apps. Windows 8 App Projects - XAML and C# Edition shows you the nuts and bolts of the Windows 8 development ecosystem. Then, through a series of example driven chapters, you'll discover how to leverage the platform's unique features. With each project, you'll be one step closer to building full-featured, responsive, and well designed apps that feel like they're a part of the operating system. Windows 8 App Projects - XAML and C# Edition is a great book for developers that already know their way around the .net framework and want to leverage their existing knowledge into building apps for the new and exciting Windows RT platform and the great touch-first tablet and hybrid devices that accompany Windows 8 to market. Learn to build apps for Windows 8 in an example driven way Leverage existing skills onto the Windows 8 platform Get to know and use the new Modern UI style to make your apps stand out

Application Development Using Visual Basic and .NET

Robert J. Oberg, Peter Thorsteinson, Dana L. Wyatt, 2003
Learn to develop professional applications with VB and the .NET platform in a unique building block approach. This guide also presents the basic concepts of the .NET framework, which is the common language.

.NET Core 2.0 By Example Rishabh Verma, Neha Shrivastava, 2018-03-20 Build cross-platform solutions with .NET Core 2.0 through real-life scenarios Key Features Bridges the gap between learning and doing and improves your software development skills Covers the best practices of .NET development to improve your productivity Example-based approach to get you started quickly with software programming Book Description With the rise in the number of tools and technologies available today, developers and architects are always exploring ways to create better and smarter solutions. Before, the differences between target platforms was a major roadblock, but that's not the case now. .NET Core 2.0 By Example will take you on an exciting journey to building better software. This book provides fresh and relevant content to .NET Core 2.0 in a succinct format that's enjoyable to read. It also delivers concepts, along with the implications, design decisions, and potential pitfalls you might face when targeting Linux and Windows systems, in a logical and simple way. With the .NET framework at its center, the book comprises of five varied projects: a multiplayer Tic-tac-toe game; a real-time chat application, Let'sChat; a chatbot; a microservice-based buying-selling application; and a movie booking application. You will start each chapter with a high-level overview of the content, followed by the above example applications described in detail. By the end of each chapter, you will not only be proficient with the concepts, but you'll also have created a tangible component in the application. By the end of the book, you will have built five solid projects using all the

tools and support provided by the .NET Core 2.0 framework. What you will learn Build cross-platform applications with ASP.NET Core 2.0 and its tools Integrate, host, and deploy web apps with the cloud (Microsoft Azure) Leverage the ncurses native library to extend console capabilities in .NET Core on Linux and interop with native code .NET Core on Linux and learn how to interop with existing native code Reuse existing .NET Framework and Mono assemblies from .NET Core 2.0 applications Develop real-time web applications using ASP.NET Core Learn the differences between SOA and microservices and get started with microservice development using ASP.NET Core 2.0 Walk through functional programming with F# and .NET Core from scratch Who this book is for If you are a developer or architect and want to learn how to build cross-platform solutions using Microsoft .NET Core, this book is for you. It is assumed that you have some knowledge of the .NET Framework, OOP, and C# (or a similar programming language).

Building Web Applications with .NET Core 2.1 and JavaScript Philip Japikse, Kevin Grossnicklaus, Ben Dewey, 2019-12-13 Roll up your sleeves and jump into building web applications using .NET Core 2.1 and the most popular JavaScript frameworks. You will start by building a data access layer using Entity Framework Core, a RESTful service using ASP.NET Core, and then you will build a web application following the MVC pattern, also using ASP.NET Core. The resulting application is an example e-commerce site using the most appropriate capabilities in .NET Core for building a line of business applications. The second half of Building Web Applications with .NET Core 2.1 and JavaScript is dedicated to teaching you how to develop applications on the client with JavaScript, Bootstrap, and related tooling such as TypeScript, WebPack, NPM, and more. Each

JavaScript framework will build the same UI as the ASP.NET Core web application from the first half of the book, leveraging the same ASP.NET Core RESTful service and Entity Framework Core data access layer. Building the same UI in the different JavaScript frameworks provides the context and knowledge to reasonably compare and contrast the tools. What You Will Learn Ramp up quickly on Entity Framework Core and ASP.NET Core Use TypeScript to deliver better JavaScript Manage your JavaScript build process Know how to build UIs with ASP.NET Core MVC, Angular, and React to make better decisions on which technologies to adopt in your projects Conduct an apples-to-apples comparison of ASP.NET Core, Angular, and React Who This Book Is For .NET architects, consultants, and developers who want to modernize their skill set. Some understanding of JavaScript and the Web is useful.

Developing Application Frameworks in .NET Xin Chen, 2004-04-26 * Provides ready-to-run code for some of the most common tasks that .NET applications need to perform, which readers can incorporate directly into their own applications * Shows how to develop an extensible application framework that will greatly simplify development using the Microsoft .NET Framework * Provides examples of advanced object-oriented techniques such as design patterns in the context of real applications * The complete source code for SAF, which is ready for use and can be modified freely, is available for download * Deepens knowledge of .NET by showing many different .NET technologies (e.g. Remoting) in action, in a real application – not just illustrative samples

Pro .NET Performance Sasha Goldshtein, Dima Zurbalev, SELA Group, Ido Flatow, 2012-10-22 Maximizing the performance of your algorithms and applications is extremely important and can give you a competitive

advantage, a lower cost of ownership, and happier users. Pro .NET Performance explains the internals of Windows, the CLR, and the physical hardware that affect the performance of your applications, and gives you the knowledge and tools to measure how your code performs in isolation from external factors. The book is full of C# code samples and tips to help you squeeze every bit of juice from your application—lower memory utilization, consistent CPU usage, and fewer I/O operations across the network and disk. Pro .NET Performance will change the way you think about .NET application development. Guides you through performance measurement with a variety of profilers and other tools Explains how OS and CLR internals affect your application's performance in unexpected ways Provides you with tips and real-life case studies for improving application performance

Building Applications and Components with Visual Basic .NET Ted Pattison, Joe Hummel, 2004 • Ted Pattison is a revered Visual Basic developer, trainer, and author >• Addresses the main stumbling point keeping experienced Visual Basic 6 developers from migrating to Visual Basic .NET >• Provides not only a deep conceptual understanding of object-oriented theory from a Visual Basic perspective, but also a practical guide to using modern OOP concepts effectively

Enjoying the Song of Expression: An Mental Symphony within **.net Framework App**

In a world consumed by monitors and the ceaseless chatter of quick conversation, the melodic beauty and psychological symphony created by the prepared term often disappear in to the background, eclipsed by the constant noise and

distractions that permeate our lives. Nevertheless, nestled within the pages of **.net Framework App** a charming literary prize filled with organic feelings, lies an immersive symphony waiting to be embraced. Crafted by a masterful composer of language, that charming masterpiece conducts visitors on a mental journey, well unraveling the hidden tunes and profound impact resonating within each carefully constructed phrase. Within the depths of this moving analysis, we shall examine the book is key harmonies, analyze their enthralling writing style, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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