

TENTH EDITION

Pro ASP.NET Core 7

Adam Freeman

 MANNING



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Pro ASP.NET Core 7, Tenth Edition Adam Freeman, 2023-12-12 Now in its tenth edition this industry leading guide to ASP NET Core teaches everything you need to know to create easy extensible and cloud native web applications Inside Pro ASP NET Core 7 you will learn how to Configure the ASP NET Core request pipeline to handle requests Create RESTful web services with MVC controllers Create HTML responses with Razor and Razor Pages Create richly interactive web applications with Blazor Access data using Entity Framework Core Authenticate requests using ASP NET Core Identity Pro ASP NET Core is an acclaimed bestseller and a bible for NET web developers Tens of thousands of readers have benefited from its comprehensive coverage of ASP NET s key tools and techniques Now in its tenth edition this revised guide has been fully updated to NET 7 with extensive chapters on Razor Pages Blazor and the MVC framework It maintains the style and structure of popular previous editions with content updated for ASP NET Core s latest evolution About the technology ASP NET Core 7 gives you everything you need to create awesome web apps in C This powerful framework handles anything you throw at it from high volume HTTP requests and RESTful web services to efficient HTML and CSS round trips and WebAssembly for rich user interactions About the book Pro ASP NET Core 7 is the industry leading guide to building web applications with ASP NET Core In it you ll build a realistic online store as you learn about web services authentication and authorization container deployment and more Author Adam Freeman s comfortable style mentors you through advanced topics like RESTful web services Razor Pages for HTML responses and data access with Entity Framework Core Engaging hands on examples show you how each tool works in action About the reader For web developers experienced with C and the basics of NET About the author Adam Freeman has written over a dozen bestselling books on software development He has held numerous senior IT positions most recently as CTO and COO of a global bank The technical editor on this book is Fabio Claudio Ferracchiati

Table of Contents

- 1 Putting ASP NET Core in context
- Part 1
- 2 Getting started
- 3 Your first ASP NET Core application
- 4 Using the development tools
- 5 Essential C features
- 6 Testing ASP NET Core applications
- 7 SportsStore A real application
- 8 SportsStore Navigation and cart
- 9 SportsStore Completing the cart
- 10 SportsStore Administration
- 11 SportsStore Security and deployment
- Part 2
- 12 Understanding the ASP NET Core platform
- 13 Using URL routing
- 14 Using dependency injection
- 15 Using the platform features part 1
- 16 Using the platform features part 2
- 17 Working with data
- Part 3
- 18 Creating the example project
- 19 Creating RESTful web services
- 20 Advanced web service features
- 21 Using controllers with views part I
- 22 Using controllers with views part II
- 23 Using Razor Pages
- 24 Using view components
- 25 Using tag helpers
- 26 Using the built in tag helpers
- 27 Using the forms tag helpers
- 28 Using model binding
- 29 Using model validation
- 30 Using filters
- 31 Creating form applications
- Part 4
- 32 Creating the example project
- 33 Using Blazor Server part 1
- 34 Using Blazor Server part 2
- 35 Advanced Blazor features
- 36 Blazor forms and data
- 37 Using Blazor WebAssembly
- 38 Using ASP NET Core Identity
- 39 Applying ASP NET Core Identity

Pro ASP.NET Core MVC ADAM FREEMAN, 2016-09-15 Visual Studio

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Pro ASP.NET Core 7, Tenth Edition Adam Freeman, 2023-09-26 Pro ASP NET Core 7 is the industry leading guide to building web applications with ASP NET Core In it you ll build a realistic online store as you learn about web services authentication and authorization container deployment and more Author Adam Freeman s comfortable style mentors you through advanced topics like RESTful web services Razor Pages for HTML responses and data access with Entity Framework Core Engaging hands on examples show you how each tool works in action

Pro ASP.NET Core MVC 2 Adam Freeman, 2017-10-25 Now in its 7th edition the best selling book on MVC is updated for ASP NET Core MVC 2 It contains detailed explanations of the Core MVC functionality which enables developers to produce leaner cloud optimized and mobile ready applications for the NET platform This book puts ASP NET Core MVC into context and dives deep into the tools and techniques required to build modern cloud optimized extensible web applications All the new MVC features are described in detail and the author explains how best to apply them to both new and existing projects The ASP NET Core MVC Framework

is the latest evolution of Microsoft's ASP.NET web platform built on a completely new foundation. It represents a fundamental change to how Microsoft constructs and deploys web frameworks and is free of the legacy of earlier technologies such as Web Forms. ASP.NET Core MVC provides a host-agnostic framework and a high-productivity programming model that promotes cleaner code, architecture, test-driven development, and powerful extensibility. Best-selling author Adam Freeman has thoroughly revised this market-leading book and explains how to get the most from ASP.NET Core MVC. He starts with the nuts and bolts and shows you everything through to advanced features, going in depth to give you the knowledge you need. The book includes a fully worked case study of a functioning web application that readers can use as a template for their own projects.

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Who This Book Is For: This book is for web developers with a basic knowledge of ASP.NET and C# who want to incorporate the latest improvements and functionality in the ASP.NET Core MVC 2 Framework.

Pro ASP.NET Core 6 Adam Freeman, 2022-03-11

Professional developers will produce leaner applications for the ASP.NET Core platform using the guidance in this best-selling book now in its 9th edition and updated for ASP.NET Core for .NET 6. It contains detailed explanations of the ASP.NET Core platform and the application frameworks it supports. This cornerstone guide puts ASP.NET Core for .NET 6 into context and dives deep into the tools and techniques required to build modern, extensible web applications. New features and capabilities such as MVC, Razor Pages, Blazor Server, and Blazor WebAssembly are covered along with demonstrations of how they are applied.

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Core application that you can use as a template for your own projects Source code for this book can be found at <https://github.com/Apress/pro-asp-net-core-6> What You Will Learn Explore the entire ASP.NET Core platform Apply the new ASP.NET Core for .NET 6 features in your developer environment See how to create RESTful web services web applications and client side applications Build on your existing knowledge to get up and running with new programming models quickly and effectively Who This Book Is For Web developers with a basic knowledge of web development and C# who want to incorporate the latest improvements and functionality in ASP.NET Core for .NET 6 into their own projects

Pro ASP.NET Core MVC ADAM FREEMAN, 2016-09-15 Visual Studio 2017 updates for this book are now available Follow the Download Source Code link for this book on the Apress website Now in its 6th edition the best selling book on MVC is now updated for ASP.NET Core MVC It contains detailed explanations of the new Core MVC functionality which enables developers to produce leaner cloud optimized and mobile ready applications for the .NET platform This book puts ASP.NET Core MVC into context and dives deep into the tools and techniques required to build modern cloud optimized extensible web applications All the new MVC features are described in detail and the author explains how best to apply them to both new and existing projects The ASP.NET Core MVC Framework is the latest evolution of Microsoft's ASP.NET web platform built on a completely new foundation It represents a fundamental change to how Microsoft constructs and deploys web frameworks and is free of the legacy of earlier technologies such as Web Forms ASP.NET Core MVC provides a host agnostic framework and a high productivity programming model that promotes cleaner code architecture test driven development and powerful extensibility Best selling author Adam Freeman has thoroughly revised this market leading book and explains how to get the most from ASP.NET Core MVC He starts with the nuts and bolts and shows you everything through to advanced features going in depth to give you the knowledge you need This book follows the same format and style as the popular previous editions but brings everything up to date for the new ASP.NET Core MVC release It presents a fully worked case study of a functioning ASP.NET MVC application that readers can use as a template for their own projects

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Pro ASP.NET Core 3 Adam Freeman, 2020-06-06 Now in its 8th edition Pro ASP.NET Core has been thoroughly updated for ASP.NET Core 3 and online for ASP.NET Core 5 and .NET 5.0 This comprehensive full color guide is the only book you need to learn ASP.NET Core development Professional developers get ready to produce leaner applications for the ASP.NET Core platform This edition puts ASP.NET Core 3 into context and

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the MVC Framework The benefits of using the MVC pattern on the server side are now well understood and have become hugely popular However to fully reap the advantages of MVC you must also understand what is happening on the client side Modern client browsers are extremely feature rich and capable of doing a great deal of processing and communication work for your application If used correctly they will streamline your data and application workflows making your code appear both faster and more responsive to your users By using client side processing you reduce the load on your servers and save both bandwidth and CPU costs In this book best selling NET author Adam Freeman shows you how to craft the HTML JavaScript and CSS elements of your application to make the client side of your MVC applications as slick and responsive as the server side code they compliment You ll learn how to use JavaScript to maintain your application s user experience independently of the server how SignalR can provide real time updates and how the Azure Cloud provides push notifications to any client device Put together these techniques will speed your development times create a rich and responsive interface and seamlessly integrate your client side code with the MVC pattern you re employing on the server Starting with the nuts and bolts you ll be shown everything you need to know from first principals through to advanced features

Pro ASP.NET MVC Client Development goes in depth to give you the knowledge you need Each topic is covered clearly and concisely and is packed with the details you need to be truly effective

Pro ASP.NET Core Identity Adam Freeman,2021-02-01 ASP.NET Core Identity provides authentication and user management for ASP.NET Core applications Identity is a complex framework in its own right with support for a wide range of features including authenticating users with services provided by Google Facebook and Twitter Best selling author Adam Freeman explains how to get the most from ASP.NET Core Identity He begins by describing common authentication and user management scenarios and explaining how they are implemented in ASP.NET Core applications Then he dives deep into the Identity framework and explains how the most important and useful features work in detail creating custom implementations of key components to reveal the inner workings of ASP.NET Core Identity

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Who This Book Is For This book is for developers with advanced knowledge of ASP.NET Core who are introducing Identity into their projects Prior experience and knowledge of C# ASP.NET Core is required along with a basic understanding of authentication and authorization concepts

Pro ASP.NET MVC 3 Framework Adam Freeman,Steven Sanderson,2011-08-06 The ASP.NET MVC 3 Framework is the latest evolution of Microsoft s ASP.NET web platform It provides a high productivity programming model that promotes cleaner code architecture test driven development and powerful extensibility combined with all the

benefits of ASP NET 4 In this third edition the core model view controller MVC architectural concepts are not simply explained or discussed in isolation but are demonstrated in action You ll work through an extended tutorial to create a working e commerce web application that combines ASP NET MVC with the latest C language features and unit testing best practices By gaining this invaluable practical experience you ll discover MVC s strengths and weaknesses for yourself and put your best learned theory into practice The book s authors Steve Sanderson and Adam Freeman have both watched the growth of ASP NET MVC since its first release Steve is a well known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools team Adam started designing and building web applications 15 years ago and has been responsible for some of the world s largest and most ambitious projects You can be sure you are in safe hands

Pro ASP.NET 4.5 in C# Adam Freeman,Matthew MacDonald,Mario Szpuszta,2013-09-21 ASP NET 4 5 remains Microsoft s preferred technology for creating dynamic websites providing developers with unrivaled power and flexibility Pro ASP NET 4 5 in C is the most complete reference to ASP NET that you will find This comprehensively revised fifth edition will teach you everything you need to know in order to create well designed ASP NET websites Beginning with core concepts the book progresses steadily through key professional skills You ll be shown how to query databases in detail consider the myriad applications of XML and step through all the considerations you need to be aware of when securing your site from intruders Finally you ll consider advanced topics such as using client side validation jQuery and Ajax By the time you have read this book you will have learned all the skills you need to use ASP NET 4 5 with confidence

ASP.NET Core in Action, Third Edition Andrew Lock,2023-09-05 ASP NET Core in Action 3rd edition by Microsoft MVP Andrew Lock is a fully updated edition ideal for intermediate C developers and teaches you how to use your C and NET skills to build amazing cross platform web applications Even if you have never worked with ASP NET you will soon start creating productive cross platform web apps

Pro ASP.NET MVC 5 Adam Freeman,2013-12-20 The ASP NET MVC 5 Framework is the latest evolution of Microsoft s ASP NET web platform It provides a high productivity programming model that promotes cleaner code architecture test driven development and powerful extensibility combined with all the benefits of ASP NET ASP NET MVC 5 contains a number of advances over previous versions including the ability to define routes using C attributes and the ability to override filters The user experience of building MVC applications has also been substantially improved The new more tightly integrated Visual Studio 2013 IDE has been created specifically with MVC application development in mind and provides a full suite of tools to improve development times and assist in reporting debugging and deploying your code The popular Bootstrap JavaScript library has also now been included natively within MVC 5 providing you the developer with a wider range of multi platform CSS and HTML5 options than ever before without the penalty of having to load in third party libraries What you ll learnGain a solid architectural understanding of ASP NET MVC 5Explore the entire ASP NET MVC Framework as a cohesive wholeLearn what s new in version 5 and how best to apply these new features to your own workSee

how MVC and test driven development work in action Capitalize on your existing knowledge quickly and easily through comparison of features in classic ASP NET to those in ASP NET MV Who this book is for This book is for web developers with a basic knowledge of ASP NET and C who want or need to start using the new ASP NET MVC 5 Framework Table of Contents Part I Introducing ASP NET MVC 5 1 What s The Big Idea 2 Your first MVC Application 3 The MVC Pattern 4 Essential Language Features 5 Working with Razor 6 Essential Tools for MVC 7 Sports Store A Real Application 8 Sports Store Navigation 9 Sports Store Cart 10 Sports Store Mobile 11 Sports Store Admin 12 Sports Store Security and Finishing Touches 13 Deployment Part II ASP NET MVC 5 In Detail 14 Overview of MVC5 Projects 15 URL Routing 16 Advanced Routing Features 17 Controllers and Actions 18 Filters 19 Controllers Extensibility 20 Views 21 Helper Methods 22 Templated Helper Methods 23 URL and Ajax Helper Meothods 24 Model Binding 25 Model Validation 26 Bundles 27 WebAPI and Single Page Applications

Pro Asp.net Core Mvc mary Moore, 2017-07-12 In ASP NET Core seasoned authors Simone Chiaretta and Ugo Lattanzi update you on all the advances provided by Microsoft s landmark framework By learning the foundations of the library and understanding the new versions of ASP NET MVC and Web API you ll be equipped with everything you need to build NET web applications on Windows Mac and Linux This updated and expanded second edition of Book provides a user friendly introduction to the subject Taking a clear structural framework it guides the reader through the subject s core elements A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts This succinct and enlightening overview is a required reading for all those interested in the subject We hope you find this book useful in shaping your future career Business

Pro ASP.NET MVC 4 Adam Freeman, Steven Sanderson, 2013-01-29 The ASP NET MVC 4 Framework is the latest evolution of Microsoft s ASP NET web platform It provides a high productivity programming model that promotes cleaner code architecture test driven development and powerful extensibility combined with all the benefits of ASP NET ASP NET MVC 4 contains a number of significant advances over previous versions New mobile and desktop templates employing adaptive rendering are included together with support for jQuery Mobile for the first time New display modes allow your application to select views based on the browser that s making the request while Code Generation Recipes for Visual Studio help you auto generate project specific code for a wide variety of situations including NuGet support In this fourth edition the core model view controller MVC architectural concepts are not simply explained or discussed in isolation but are demonstrated in action You ll work through an extended tutorial to create a working e commerce web application that combines ASP NET MVC with the latest C language features and unit testing best practices By gaining this invaluable practical experience you ll discover MVC s strengths and weaknesses for yourself and put your best learned theory into practice The book s authors Steve Sanderson and Adam Freeman have both watched the growth of ASP NET MVC since its first release Steve is a well known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools

team Adam started designing and building web applications 15 years ago and has been responsible for some of the world's largest and most ambitious projects You can be sure you are in safe hands

Pro Entity Framework Core 2 for ASP.NET Core MVC Adam Freeman,2018-05-21 Model map and access data effectively with Entity Framework Core 2 the latest evolution of Microsoft's object relational mapping framework that allows developers to access data using NET objects and the most common data access layer used in ASP NET Core MVC 2 projects Best selling author Adam Freeman explains how to get the most from Entity Framework Core 2 in MVC projects He begins by describing the different ways that Entity Framework Core 2 can model data and the different types of databases that can be used He then shows you how to use Entity Framework Core 2 in your own MVC projects starting from the nuts and bolts and building up to the most advanced and sophisticated features going in depth to give you the knowledge you need What you'll learn Gain a solid architectural understanding of Entity Framework Core 2 Learn how to create databases using your MVC data model Learn how to create MVC models using an existing database Learn how to use Entity Framework Core 2 to access data in an MVC application Learn how to use Entity Framework in RESTful Web Services Each topic is covered clearly and concisely and is packed with the details you need to learn to be truly effective The most important features are given a no nonsense in depth treatment and chapters include common problems and details of how to avoid them Who this book is for This book is for ASP NET Core MVC 2 developers who want to use Entity Framework Core 2 as the data access layer in their projects

Essential Angular for ASP.NET Core MVC Adam Freeman,2017-07-26 Angular 5 and NET Core 2 updates for this book are now available Follow the Download Source Code link for this book on the Apress website Discover Angular the leading client side web framework from the point of view of an ASP NET Core MVC developer Best selling author Adam Freeman brings these two key technologies together and explains how to use ASP NET Core MVC to provide back end services for Angular applications This fast paced practical guide starts from the nuts and bolt and gives you the knowledge you need to combine Angular from version 2.0 up and ASP NET Core MVC in your projects What You'll Learn Gain a solid understanding of how ASP NET Core MVC and Angular can work together Use Visual Studio 2017 to develop Angular ASP NET Core MVC projects Create ASP NET Core RESTful web services to support Angular applications Expose data from Entity Framework Core to Angular applications Use ASP NET Core Identity to provide security services to Angular applications Each topic is covered clearly and concisely and is packed with the essential details you need to learn to be truly effective Who This Book Is For This book is for developers with a knowledge of ASP NET Core MVC who are introducing Angular into their projects

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[ASP.NET MVC with Entity Framework and CSS](#) Lee Naylor,2016-09-12 Get up and running quickly with Microsoft ASP NET MVC and Entity Framework as you build and deploy complex websites By using a fully working example retail website you will learn solutions to real world issues that developers frequently encounter Whether you are a novice developer or an experienced NET developer wishing to learn more about MVC and Entity Framework author Lee Naylor will teach you how to develop a detailed database driven example website using Microsoft ASP NET and Entity Framework Code First with fully explained code examples What You Will Learn Get up and running quickly with ASP NET MVC and Entity Framework to build a complex website to display and manage several related entities Integrate identity code into a project Understand advanced topics including asynchronous database access and managing data conflicts Work with Microsoft Azure including remote debugging and database access Develop your CSS skills including animations and media queries for use with tablet or mobile cell phone devices Who This Book Is For Novice developers new to the subject through to more experienced ASP NET web forms developers looking to migrate from web forms to MVC and Entity Framework The book assumes some programming knowledge such as object oriented programming concepts and a basic knowledge of C

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Table of Contents Pro Asp Net Core Adam Freeman

1. Understanding the eBook Pro Asp Net Core Adam Freeman
 - The Rise of Digital Reading Pro Asp Net Core Adam Freeman
 - Advantages of eBooks Over Traditional Books
2. Identifying Pro Asp Net Core Adam Freeman
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Pro Asp Net Core Adam Freeman
 - User-Friendly Interface
4. Exploring eBook Recommendations from Pro Asp Net Core Adam Freeman

- Personalized Recommendations
 - Pro Asp Net Core Adam Freeman User Reviews and Ratings
 - Pro Asp Net Core Adam Freeman and Bestseller Lists
5. Accessing Pro Asp Net Core Adam Freeman Free and Paid eBooks
 - Pro Asp Net Core Adam Freeman Public Domain eBooks
 - Pro Asp Net Core Adam Freeman eBook Subscription Services
 - Pro Asp Net Core Adam Freeman Budget-Friendly Options
 6. Navigating Pro Asp Net Core Adam Freeman eBook Formats
 - ePub, PDF, MOBI, and More
 - Pro Asp Net Core Adam Freeman Compatibility with Devices
 - Pro Asp Net Core Adam Freeman Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Pro Asp Net Core Adam Freeman
 - Highlighting and Note-Taking Pro Asp Net Core Adam Freeman
 - Interactive Elements Pro Asp Net Core Adam Freeman
 8. Staying Engaged with Pro Asp Net Core Adam Freeman
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Pro Asp Net Core Adam Freeman
 9. Balancing eBooks and Physical Books Pro Asp Net Core Adam Freeman
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Pro Asp Net Core Adam Freeman
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Pro Asp Net Core Adam Freeman
 - Setting Reading Goals Pro Asp Net Core Adam Freeman
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Pro Asp Net Core Adam Freeman

- Fact-Checking eBook Content of Pro Asp Net Core Adam Freeman
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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