

# Asp Net Complete Reference

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*Pro ASP.NET MVC 4* Adam Freeman 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.

**Programming ASP.NET Core, Programming ASP.NET Core** Dino Esposito 2018-05-10 The complete, pragmatic guide to building high-value solutions with ASP.NET Core Programming ASP.NET Core is the definitive guide to practical web-based application development with Microsoft's new ASP.NET Core framework. Microsoft MVP Dino Esposito introduces proven techniques and well-crafted example code for solving real problems with ASP.NET Core. Step by step, he guides you through using all key ASP.NET Core technologies, including MVC for HTML generation, .NET Core, EF Core, ASP.NET Identity, dependency injection, and much more. Esposito thoroughly covers ASP.NET Core's cross-platform capabilities and what's changed from older ASP.NET versions, but he doesn't stop there: he offers a complete learning path for every developer who wants to build production solutions, including mobile-specific solutions. Microsoft MVP Dino Esposito shows how to:

- Create new projects and understand their structure
- Set up and use the familiar MVC application model in ASP.NET Core
- Write controller class code to govern all stages of request processing
- Serve HTML from controllers, or directly via Razor Pages
- Master the

Razor language for quickly defining the layout of HTML views • Manage cross-cutting concerns such as global configuration data, error and exception handling, controller class design, and dependency injection • Secure applications with user authentication and ASP.NET Core's policy-based user authorization API • Design for efficient data access, and choose the right option for reading and writing data • Build ASP.NET Core Web APIs that return JSON, XML, or other data • Use data binding to programmatically update visual components with fresh information • Build device-friendly web views for iOS and Android • Explore the radically new ASP.NET Core runtime environment and Dependency Injection (DI) infrastructure

ASP.NET Matthew MacDonald 2016

**ASP.NET 2.0 Black Book** Charul Shukla 2006 This comprehensive reference goes far beyond the first wave of tutorial and intermediate level books published on ASP.NET and provides unique programming tips and insight that can't be easily found in other sources.

**PHP: The Complete Reference** Steven Holzner 2008 Complemented by hundreds of illustrations, a comprehensive resource on the latest version of PHP, the dominant programming language of the Web, demonstrates how to develop a variety of dynamic Web applications--including guest books, chat rooms, and shopping carts--with coverage of data handling, databases, object-oriented programming, AJAX, XML, security issues, and other topics. Original. (Intermediate)

*ASP.NET* Matthew MacDonald 2002 This guide is a comprehensive reference for Web developers at all levels. Code samples are mainly in VisualBasic.NET but, where appropriate, there are examples in C#. A special reference section covers the .NET framework.

**ASP.NET 4 Unleashed, Portable Documents** Stephen Walther 2010-10-12 The most comprehensive book on Microsoft's new ASP.NET 4, *ASP.NET 4 Unleashed* covers all facets of ASP.NET development. Led by Microsoft ASP.NET program manager Stephen Walther, an expert author team thoroughly covers the entire platform. The authors first introduce the ASP.NET Framework's basic controls and show how to create common site-wide layouts and styles. Next, they cover all aspects of accessing, presenting, organizing, and editing data. You'll find thorough and practical sections on building custom components and controls, providing effective site navigation, securing sites and applications, and much more. This book presents hundreds of realistic code examples, reflecting the authors' unsurpassed experience with ASP.NET both inside and outside Microsoft. Build interactive Web Forms, validate form data, and upload files Provide interactive calendars, wizards, site maps, and other valuable features Design efficient, maintainable sites with Master Pages and Themes Build data-driven applications with database controls, ADO.NET data access components, QueryExtender, LINQ to SQL, and WCF Data Services Generate charts on the fly with the new Chart Control Extend ASP.NET with custom controls and reusable components Create site registration and authentication systems that store membership data in SQL Server or Active Directory Use URL Routing to build dynamism, flexibility, readability, and SEO-friendliness into your URLs Improve performance and scalability with caching and preloading Maintain state with cookies, cookieless session state, and profiles Localize, configure, package, and deploy ASP.NET applications Use the ASP.NET MVC Framework to improve agility, testability, speed to market, and extensibility Retrofit existing ASP.NET applications with Ajax and build pure client-side Ajax web applications Construct a complete ASP.NET 4 website from start to finish

**Visual Basic .NET** Jeffrey R. Shapiro 2002 A must-have resource for new and established VB developers, this guide coverscore topics like controls, arrays, data structures and OOP.

**Pro ASP.NET 4.5 in VB** Dan Mabbutt 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 VB 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 Cookbook* Michael A. Kittel 2004 Provides information on Web site development using ASP.NET 2.0.

**Microsoft ASP.NET 4 Step by Step** George Shepherd 2010-05-15 Teach yourself the fundamentals of Web development with ASP.NET 4-one step at a time. With STEP BY STEP, you get the guidance and learn-by-doing examples you need to start building Web applications and Web services in the Microsoft Visual Studio(R) 2010 environment. The author-a highly regarded programming expert, writer, and instructor-illuminates ASP.NET features through practical examples that help developers quickly grasp concepts and apply techniques to the real world. The book also includes a companion CD with code samples, data sets, and a fully searchable eBook. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

*The ASP.NET 2.0 Anthology* Scott Allen 2007-09-18 An ASP.NET 2.0 book that just helps you get things done! This book contains a collection of 101 best practice, object oriented solutions that you can easily adapt to your own projects. Coverage includes: Working with text, numbers, dates & times Accessing data with ADO.NET Form validation under multiple scenerios Page, Session and application state tips Access control in web applications Producing standards compliant output Enhancing applications with AJAX Working with Email Handling errors and debugging Performance tips and pitfalls And much more! As a bonus, all book buyers get download access to the code archive which has all the examples in the book in both C# and VB. Back Cover "A comprehensive collection of ready-to-use ASP.NET solutions!" The ASP.NET 2.0 Anthology: 101 Essential Tips, Tricks & Hacks is a collection of solutions to the most common ASP.NET problems. Let five world-class ASP.NET professionals guide you through countless practical solutions using C# or VB. Learn to: Add interactivity with Ajax and JavaScript. Build a database access layer for improved portability. Sidestep the ASP.NET framework when required. Build data-driven applications quickly with SubSonic. Gracefull handle errors effectively. Work with email: send, parse, & manage attachments. Use component-based development for flexibility. Make your applications search engine friendly. Validate data input on forms. Create a user registration system. Use Master Pages to simplify development. Work with binary content. Improve the speed of your site, decrease bandwidth usage and speed up database queries And lots more...

Pro ASP.NET 4.5 in C# Adam Freeman 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 Application Development James Chambers 2016-11-29 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through four complete sprints, this book takes you through every step needed to build brand new cross-platform web apps with ASP.NET Core, and make them available on the Internet. You won't just master Microsoft's revolutionary open source ASP.NET Core technology: you'll learn how to integrate the immense power of MVC, Docker, Azure Web Apps, Visual Studio and Visual Studio Code, C#, JavaScript, TypeScript, and Entity Framework. Working through the authors' carefully designed sprints, you'll start with a blank canvas, move through software architecture and design, adjusting to user feedback, recovering from mistakes, builds, testing, deployment, maintenance, refactoring, and more. Along the way, you'll learn techniques for delivering state-of-the-art software to users more rapidly and repeatably than ever before.

*Programming Microsoft ASP.NET MVC* Dino Esposito 2011-10-15 Fully updated for ASP.NET MVC 3. Delve into the features, principles, and pillars of the ASP.NET MVC framework—deftly guided by web development luminary Dino Esposito. ASP.NET MVC forces developers to think in terms of distinct components—Model, View, Controller—that make it easier to manage application complexity, while allowing strict control over the markup. Plunge into the framework's internal mechanics and gain perspectives on how to use this programming model versus Web Forms, and begin building your own MVC-based applications quickly.

C# Herbert Schildt 2002 Learn everything you need to know about Microsoft's new programming language for the .NET platform. Programming guru and best-selling author Herb Schildt presents not only code but valuable insight into best programming practices, so you can implement C# effectively.

**ASP.NET 2.0 All-In-One Desk Reference For Dummies** Doug Lowe 2006-07-28 Eight minibooks cover ASP.NET basics, Web controls, using HTML and ASP, C#, Visual Basic, database programming, using the .NET Framework, and advanced ASP.NET 2 (including themes, custom server controls, and Web parts) The ideal resource for Web programming newcomers as well as the 1.5 million existing ASP developers who want a complete ready-reference that covers the new ASP.NET 2 updates More than double the size of ASP.NET 2 For Dummies (0-7645-7907-X), the latest edition of the bestselling ASP beginner book that boasts combined sales of more than 100,000 copies across all editions Written by veteran Dummies author Doug Lowe, who is renowned for his ability to explain complex topics in plain English

*Professional ASP.NET 3.5* Bill Evjen 2011-01-11 In this book, you'll be introduced to the features and capabilities of ASP.NET 3.5, as well as the foundation that ASP.NET provides. Updated for the latest release of Visual Studio, this new edition adds five hundred pages of great new content compared to the original 2.0 version of the book. Including both printed and downloadable VB and C# code examples, this edition focuses even more on experienced programmers and advanced web development. New coverage includes new chapters on IIS 7 development, LINQ, ASP.NET, Silverlight, and many others.

**ASP in a Nutshell** Keyton Weissinger 2000-07-06 ASP in a Nutshell provides the high-quality reference documentation that web application developers really need to create effective Active Server Pages. It focuses on how features are used in a real application and highlights little-known or undocumented features. This book also includes an overview of the interaction between the latest release of Internet Information Server (version 5) and ASP 3.0, with an introduction to the IIS object model and the objects it

comprises. The examples shown in this section and throughout the book are illustrated in VBScript. The main components of this book are: Active Server Pages Introduction. Brief overview of the ASP application paradigm with examples in VBScript. Also included is an introduction to Microsoft's Internet Information Server 5.0, the IIS object model, and the objects that it comprises. Object Reference. Each object is discussed in the following manner: descriptions, properties, collections, methods, events, accessory files/required DLLs, and remarks, including real-world uses, tips and tricks, and author's experience (where applicable). The objects--Application, Response, Request, Server, Session, ObjectContext, and ASPError, as well as ASP Directives, Global.ASA, and Server-Side Includes--all follow this paradigm. Component Reference. This section follows the same paradigm found in Object Reference. The discussion covers all of the additional components included with IIS, such as ActiveX Data Objects, the Ad Rotator, the Browser capabilities component, the File System Object, and more. Appendixes. Gives examples in one or two objects and components using Perl, REXX, and Python in ASP. Like other books in the "In a Nutshell" series this book offers the facts, including critical background information, in a no-nonsense manner that users will refer to again and again. It is a detailed reference that enables even experienced web developers to advance their ASP applications to new levels.

**Asp.Net: The Complete Referenc** Matthew MacDonald 2002 Get the comprehensive low-down on all seven built-in .NET Framework namespaces--plus plenty of other useful information for developers, including relevant topics like security, Web services, database development, application deployment, and more.

**ASP.NET Developer's Cookbook** Steven A. Smith 2003 Written for developers who are up-to-speed with ASP.NET in general, this text provides a task reference for use while developing web applications. It demonstrates tricks, solutions and best practices to use within applications.

**Professional ASP.NET MVC 1.0** Rob Conery 2009-07-01 This book begins with you working along as Scott Guthrie builds a complete ASP.NET MVC reference application. He begins NerdDinner by using the File->New Project menu command within Visual Studio to create a new ASP.NET MVC Application. You'll then incrementally add functionality and features. Along the way you'll cover how to create a database, build a model layer with business rule validations, implement listing/details data browsing, provide CRUD (Create, Update, Delete) data form entry support, implement efficient data paging, reuse UI using master pages and partials, secure the application using authentication and authorization, use AJAX to deliver dynamic updates and interactive map support, and implement automated unit testing. From there, the bulk of the rest of the book begins with the basic concepts around the model view controller pattern, including the little history and the state of the MVC on the web today. We'll then go into the ways that MVC is different from ASP.NET Web Forms. We'll explore the structure of a standard MVC application and see what you get out of the box. Next we dig deep into routing and see the role URLs play in your application. We'll deep dive into controllers and views and see what role the Ajax plays in your applications. The last third of the book focuses entirely on advanced techniques and extending the framework. In some places, we assume that you're somewhat familiar with ASP.NET WebForms, at least peripherally. There are a lot of ASP.NET WebForms developers out there who are interested in ASP.NET MVC so there are a number of places in this book where we contrast the two technologies. Even if you're not already an ASP.NET developer, you might still find these sections interesting for context, as well as for your own edification as ASP.NET MVC may not be the web technology that you're looking for.

Pro ASP.NET 2.0 in C# 2005 (Special Edition) Matthew Macdonald & Mario Szpuszta 2006-11-17 In this book, you'll learn how ASP.NET 2.0 really works. There's no better way to prepare for the future of the Web. New features are clearly identified, so if you've programmed with a previous version of ASP.NET

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you'll sail through the basics and get right to the most important changes and enhancements.· Core Concepts· Data Access· Building ASP.NET Websites· Security· Advanced User Interface· Web Services· Client-Side Programming

*Beginning ASP.NET 4.5 in VB* Matthew MacDonald 2012-11-27 This book is the most comprehensive and up to date introduction to ASP.NET ever written. Focusing solely on Visual Basic, with no code samples duplicated in other languages, award winning author Matthew MacDonald introduces you to the very latest thinking and best practices for the ASP.NET 4.5 technology. Assuming no prior coding experience, you'll be taught everything you need to know from the ground up. Starting from first principals, you'll learn the skills you need to be an effective ASP.NET developer who is ready to progress to more sophisticated projects and professional work. You'll be taught how to use object orientation and code-behind techniques to lay out your code clearly in a way other developers can easily understand. You'll learn how to query databases from within you web pages, spice up your layouts using ASP.NET AJAX and deploy your finished websites to production servers. You'll also learn how to debug your code when things go wrong and the performance and scalability issues that can affect your web projects as they grow. With this book you can take your first steps towards becoming a successful ASP.NET developer with confidence.

**ASP.NET C# REF**, KALANI 2002-07-25 This volume is a complete reference to the ASP.NET namespaces for developers who are already familiar with using ASP.NET. There is no introductory material or hype - it concentrates entirely on the .NET Framework. It provides in-depth coverage of all the major ASP.NET classes in a pure reference format, providing real-world tips and demonstrating complex techniques with simple examples.

*Performance Tuning and Optimizing ASP.NET Applications* Kenneth Tu 2008-01-01 The authors make performance issues the central topic, with very in-depth discussion and examples.

**Mastering Visual Studio .NET** Ian Griffiths 2003 A detailed handbook for experienced developers explains how to get the most out of Microsoft's Visual Studio .NET, offering helpful guidelines on how to use its integrated development environment, start-up templates, and other features and tools to create a variety of applications, including Web services. Original. (Advanced)

[ASP.NET Core Recipes](#) John Ciliberti 2017-09-12 Quickly find solutions to common web development problems. Content is presented in the popular problem-solution format. Look up the problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved! ASP.NET Core Recipes is a practical guide for developers creating modern web applications, cutting through the complexities of ASP.NET, jQuery, React, and HTML5 to provide straightforward solutions to common web development problems using proven methods based on best practices. The problem-solution approach gets you in, out, and back to work quickly while deepening your understanding of the underlying platform and how to develop with it. Author John Ciliberti guides you through the MVC framework and development tools, presenting typical challenges, along with code solutions and clear, concise explanations, to accelerate application development. Solve problems immediately by pasting in code from the recipes, or put multiple recipe solutions together to overcome challenging development obstacles. What You'll Learn Take advantage of MVC's streamlined syntax Discover how to take full control over HTML Develop a simple API for creating RESTful web services Understand test-driven development Migrate a project from ASP.NET web forms to Core MVC, including recipes for converting DataGrids, Forms, Web Parts, Master Pages, and navigation controls Use Core MVC in combination with popular JavaScript libraries, including jQuery, React, Bootstrap, and more Write unit tests for your MVC

controllers, views, custom filters, and HTML helpers Utilize the latest features in Visual Studio 2017 to accelerate your Core MVC projects Identify performance bottlenecks in your MVC application Who This Book Is For Web developers of all skill levels who are looking for a programming reference for ASP.NET Core MVC and would like to gain an understanding of the inner workings of the platform. In addition, parts of this book provide guidance to developers familiar with ASP.NET Web Forms who would like to update their skill set to include Core MVC.

**ASP.NET Core in Action** Andrew Lock 2021-03-18 ASP.NET Core in Action, Second Edition is a comprehensive guide to creating web applications with ASP.NET Core 5.0. Go from basic HTTP concepts to advanced framework customization. Summary Fully updated to ASP.NET 5.0, ASP.NET Core in Action, Second Edition is a hands-on primer to building cross-platform web applications with your C# and .NET skills. Even if you've never worked with ASP.NET you'll start creating productive cross-platform web apps fast. And don't worry about late-breaking changes to ASP.NET Core. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Build full-stack web applications that run anywhere. Developers love ASP.NET Core for its libraries and pre-built components that maximize productivity. Version 5.0 offers new features for server-side apps, as well as background services for cross-platform development. About the book ASP.NET Core in Action, Second Edition is a comprehensive guide to creating web applications with ASP.NET Core 5.0. Go from basic HTTP concepts to advanced framework customization. Illustrations and annotated code make learning visual and easy. Master logins, dependency injection, security, and more. This updated edition covers the latest features, including Razor Pages and the new hosting paradigm. What's inside Developing apps for Windows and non-Windows servers Configuring applications Building custom components Logging, testing, and security About the reader For intermediate C# developers. About the author Andrew Lock is a Microsoft MVP who has worked with ASP.NET Core since before its first release. Table of Contents PART 1 - GETTING STARTED WITH ASP.NET CORE 1 Getting started with ASP.NET Core 2 Your first application 3 Handling requests with the middleware pipeline 4 Creating a website with Razor Pages 5 Mapping URLs to Razor Pages using routing 6 The binding model: Retrieving and validating user input 7 Rendering HTML using Razor views 8 Building forms with Tag Helpers 9 Creating a Web API for mobile and client applications using MVC PART 2 - BUILDING COMPLETE APPLICATIONS 10 Service configuration with dependency injection 11 Configuring an ASP.NET Core application 12 Saving data with Entity Framework Core 13 The MVC and Razor Pages filter pipeline 14 Authentication: Adding users to your application with Identity 15 Authorization: Securing your application 16 Publishing and deploying your application PART 3 - EXTENDING YOUR APPLICATIONS 17 Monitoring and troubleshooting errors with logging 18 Improving your application's security 19 Building custom components 20 Building custom MVC and Razor Pages components 21 Calling remote APIs with IHttpConnectionFactory 22 Building background tasks and services 23 Testing your application

*Pro ASP.NET 4.5 in C#* Adam Freeman 2013-07-15 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.

**.NET Programming with Visual C++** Max Fomitchev 2003-01-08 Packed with C++ code examples and

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screen shots, .NET Programming with Visual C++ explains the .NET framework and managed extensions to C++, and provides a complete reference to the basic and advanced types contained in .NET Framework System namespaces

ASP.NET AJAX in Action David Barkol 2007-08-31 Ajax has revolutionized the way users interact with web pages today. Gone are frustrating page refreshes, lost scroll positions and intermittent interaction with a web site. Instead, we have a new generation of fast, rich, and more intuitive web applications. The ASP.NET AJAX framework puts the power of Ajax into the hands of web developers. ASP.NET AJAX, formerly called Atlas, is a new free framework from Microsoft designed to easily add Ajax features to ASP.NET applications. With this technology, ASP.NET developers can easily build more interactive and highly-personalized web applications that work across all most popular browsers. ASP.NET AJAX in Action is a fast-paced, example-rich tutorial designed for ASP.NET web developers and written by ASP.NET AJAX experts Alessandro "Garbin" Gallo, David Barkol, and Rama Krishna Vavilala. This book introduces you to Ajax applications and to the ASP.NET AJAX technology. Beginners will appreciate the clear explanations of key ideas and terminology. Intermediate and advanced ASP.NET developers will find a no-nonsense learning source and well-organized reference. ASP.NET AJAX in Action offers a rich set of examples and meticulous explanations. The extensive code samples are accompanied by accurate and rigorous explanations of the concepts behind development with ASP.NET AJAX. In this book, you will discover how to use Microsoft Ajax Library Partial rendering with Update Panels Advanced client and server techniques Ajax Control Toolkit If you are a web developer looking to bring your web pages to life and to enhance the user experience, this book is for you. ASP.NET AJAX in Action will give you with the knowledge and tools you need to more easily craft the next generation of Ajax applications. With the help of the Microsoft ASP.NET AJAX framework, Ajax development has never been easier and more instinctive for both client-script developers and ASP.NET developers alike. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Programming ASP.NET MVC 4 Jess Chadwick 2012-09-26 Provides information on using ASP.NET MVC 4 to build server-side Web applications.

The Complete Reference to Professional Soa with Visual Studio 2005 (C# & VB 2005) .Net 3.0 Tom Gao 2007-09 The Complete Reference to Professional SOA with Visual Studio 2005 (C# & VB 2005) focuses on architecting and constructing enterprise-level systems. Taking advantage of the newly released Visual Studio 2005 development environment, the book assesses the current service-oriented platform and examines new ways to develop for scalability, availability, and security (which have become available with .NET 2.0). You'll get to look closely at application infrastructure in terms of flexibility, interoperability, and integration, as well as the decisions that have to be made to achieve optimum balance within your architecture.

**ASP.NET Core 5 for Beginners** Andreas Helland 2020-12-18 Learn how to build web applications efficiently using ASP.NET Core 5 with the C# programming language and related frameworks Key Features Build web apps and services and cross-platform applications using .NET and C# Understand different web programming concepts with the help of real-world examples Explore the new features and APIs in ASP.NET Core 5, EF Core, Visual Studio, and Blazor Book Description ASP.NET Core 5 for Beginners is a comprehensive introduction for those who are new to the framework. This condensed guide takes a practical and engaging approach to cover everything that you need to know to start using ASP.NET Core for building cloud-ready, modern web applications. The book starts with a brief introduction to the ASP.NET Core framework and highlights the new features in its latest release, ASP.NET Core 5. It then covers the improvements in cross-platform support, the view engines that will help you to understand

web development, and the new frontend technologies available with Blazor for building interactive web UIs. As you advance, you'll learn the fundamentals of the different frameworks and capabilities that ship with ASP.NET Core. You'll also get to grips with securing web apps with identity implementation, unit testing, and the latest in containers and cloud-native to deploy them to AWS and Microsoft Azure. Throughout the book, you'll find clear and concise code samples that illustrate each concept along with the strategies and techniques that will help to develop scalable and robust web apps. By the end of this book, you'll have learned how to leverage ASP.NET Core 5 to build and deploy dynamic websites and services in a variety of real-world scenarios. What you will learn

Explore the new features and APIs introduced in ASP.NET Core 5 and Blazor

Put basic ASP.NET Core 5 concepts into practice with the help of clear and simple samples

Work with Entity Framework Core and its different workflows to implement your application's data access

Discover the different web frameworks that ASP.NET Core 5 offers for building web apps

Get to grips with the basics of building RESTful web APIs to work with real data

Deploy your web apps in AWS, Azure, and Docker containers

Work with SignalR to add real-time notifications to your app

Who this book is for This book is for developers who want to learn how to develop web-based applications using the ASP.NET Core framework. Familiarity with the C# language and a basic understanding of HTML and CSS is required to get the most out of this book.

**C# 4.0 The Complete Reference** Herbert Schildt 2010-04-23 The Definitive Guide to C# "From using LINQ to covariance and from string formatting to optional arguments, Herb's update covers all you need to know about using real-world C# 4.0." —Michael Howard, Microsoft Corporation Bestselling author Herb Schildt has updated and expanded his classic programming reference to cover C# 4.0--the latest release of this powerful, feature-rich language. Using carefully crafted explanations, insider tips, and hundreds of examples, C# 4.0: The Complete Reference offers in-depth details on all aspects of C#, including keywords, syntax, and core libraries. New C# 4.0 features, such as named and optional arguments, the dynamic type, expanded covariance and contravariance capabilities, and support for parallel programming with the Task Parallel Library (TPL) and PLINQ are also discussed. Perfect for beginners and professional C# programmers alike, this expert resource is written in the clear, crisp, uncompromising style that has made Herb the choice of millions worldwide. Begin mastering C# 4.0 today with help from this authoritative volume! Coverage includes: Data types and operators Control statements Classes and objects Constructors, destructors, and methods Interfaces, arrays, enumerations, and structures Method and operator overloading Inheritance and virtual methods Reflection and runtime type ID Exception handling Delegates, properties, events, and indexers Attributes Multithreading and the Task Parallel Library Generics LINQ and PLINQ Lambda expressions Anonymous types Extension methods Named and optional arguments Implicitly typed variables I/O, networking, and collections The preprocessor and much, much more

**Beginning ASP.NET 4.5 in C#** Matthew MacDonald 2012-10-24 This book is the most comprehensive and up to date introduction to ASP.NET ever written. Focussing solely on C#, with no code samples duplicated in other languages, award winning author Matthew MacDonald introduces you to the very latest thinking and best practices for the ASP.NET 4.5 technology. Assuming no prior coding experience, you'll be taught everything you need to know from the ground up. Starting from first principals, you'll learn the skills you need to be an effective ASP.NET developer who is ready to progress to more sophisticated projects and professional work. You'll be taught how to use object orientation and code-behind techniques to lay out your code clearly in a way other developers can easily understand. You'll learn how to query databases from within you web pages, spice up your layouts using ASP.NET AJAX and deploy your finished websites to production servers. You'll also learn how to debug your code when things go wrong and the performance and scalability issues that can affect your web projects as they grow. With you book you can take your first step towards becoming a successful ASP.NET developer with

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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 takes a deep dive into the tools and techniques required to build modern, extensible web applications. New features and capabilities such as MVC 3, Razor Pages, Blazor Server, and Blazor WebAssembly are covered, along with demonstrations of how they can be applied in practice. Following the same popular format and style found in previous editions, author Adam Freeman explains how to get the most out of ASP.NET Core 3. Starting with the nuts-and-bolts topics, he teaches readers about middleware components, built-in services, request model binding, and more. Moving along, he introduces increasingly more complex topics and advanced features, including endpoint routing and dependency injection. Written for professionals wanting to incorporate the latest functionality of ASP.NET Core 3 into their projects, this book also serves as a complete reference on ASP.NET Core. Beginners with some background in Microsoft web development will also greatly benefit from the in-depth coverage provided throughout. What You Will Learn: Build a solid foundation and skill set for working with the entire ASP.NET Core platform Apply ASP.NET Core 3 and ASP.NET Core 5 features in your developer environment; plentiful reusable templates See how to create RESTful web services, web applications, and client-side applications Leverage existing knowledge to efficiently get up and running with new programming models Adam Freeman is an experienced IT professional who has held senior positions in a range of companies, most recently serving as chief technology officer and chief operating officer of a global bank. Now retired, he spends his time writing and long-distance running. "The Rolls-Royce of ASP.NET books, (or if you're American, the Cadillac). Very thorough!" Les Jackson, MCSD, DotNet Playbook "The author's instruction is direct, easy to understand and supplemented with clear code examples... Whether you are a beginner learning ASP.NET Core 3.1 app development, or an experienced professional ready to master advanced concepts, I consider this book a 'must have' for you!" Jeremy Likness, Senior Program Manager, Microsoft "...the best single resource for teaching MVC web apps using ASP.NET. " Charles Carter, MSCS, MSwE, JD, Cloud Application Development Instructor, Microsoft Software and Systems Academy

**ASP.NET 2.0 Cookbook** Michael A Kittel 2005-12-16 Completely revised for ASP.NET 2.0, this new edition of the best-selling ASP.NET Cookbook has everything you need to go from beginning to advanced Windows-based web site development using Microsoft's popular Visual Studio 2005 and ASP.NET 2.0 developer tools. Written for the impatient professional, ASP.NET 2.0 Cookbook contains more than 125 recipes for solving common and not-so-common problems you are likely to encounter when building ASP.NET-based web applications. The recipes in this book, which run the gamut from simple coding techniques to more comprehensive development strategies, are presented in the popular Problem-Solution-Discussion format of the O'Reilly Cookbook series. As with the first edition, every solution is coded in both C# and Visual Basic 2005. Among the additions and revisions to this new edition are: Three new chapters, including 25 new recipes for Master and Content pages, Personalization using Profiles and Themes, Custom Web Parts, and more New code for every solution, rewritten to take advantage of features and techniques new to ASP.NET 2.0 and available for download The ASP.NET 2.0 Cookbook continues to provide the most comprehensive coverage you'll find anywhere of: Tabular controls, including the new GridView control Data validation, including the new ASP.NET 2.0 validation controls, as well as techniques for performing your own validation programmatically User and custom controls Error handling, performance tuning, and caching Whether you're new to ASP.NET or an experienced Microsoft developer, with ASP.NET 2.0 Cookbook, deliverance from a long day (or night) at your computer could be just one recipe away.

**Pro ASP.NET MVC 5** Adam Freeman 2014-02-28 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.