

Building Single Page Application Using Asp Net Core Angular

Thank you certainly much for downloading **building single page application using asp net core angular**. Maybe you have knowledge that, people have look numerous period for their favorite books considering this building single page application using asp net core angular, but end up in harmful downloads.

Rather than enjoying a fine ebook considering a cup of coffee in the afternoon, on the other hand they juggled later than some harmful virus inside their computer. **building single page application using asp net core angular** is welcoming in our digital library an online permission to it is set as public as a result you can download it instantly. Our digital library saves in combination countries, allowing you to get the most less latency period to download any of our books next this one. Merely said, the building single page application using asp net core angular is universally compatible once any devices to read.

Professional ASP.NET MVC 5 - Jon Galloway 2014-07-15

ASP.NET MVC insiders cover the latest updates to the technology in this popular Wrox reference MVC 5 is the newest update to the popular Microsoft technology that enables you to build dynamic, data-driven websites. Like previous versions, this guide shows you step-by-step techniques on using MVC to best advantage, with plenty of practical tutorials to illustrate the concepts. It covers controllers, views, and models; forms and HTML helpers; data annotation and validation; membership, authorization, and security. MVC 5, the latest version of MVC, adds sophisticated features such as single page applications, mobile optimization, and adaptive rendering A team of top Microsoft MVP experts, along with visionaries in the field, provide practical advice on basic and advanced MVC topics Covers controllers, views, models, forms, data annotations, authorization and security, Ajax, routing, ASP.NET web API, dependency injection, unit testing, real-world application, and much more Professional ASP.NET MVC 5 is the comprehensive resource you need to make the best use of the updated Model-View-Controller technology.

Building Web, Cloud, and Mobile Solutions with F# - Daniel Mohl 2012-11-20

Learn how to build key aspects of web, cloud, and mobile solutions by combining F# with various .NET and open source technologies. With helpful examples, this hands-on book shows you how to tackle concurrency, asynchrony, and other server-side challenges. You'll quickly learn how to be productive with F#, whether you want to integrate the language into your existing web application or use it to create the next Twitter. If you're a mid- to senior-level .NET programmer, you'll discover how this expressive functional-first language helps you write robust, maintainable, and reusable solutions that scale easily and target multiple devices. Use F# with ASP.NET MVC, ASP.NET Web API, WCF, Windows Azure, HTML5, CSS3, jQuery Mobile, and other tools Build next-generation ASP.NET MVC 4 web applications, using F# to do the heavy lifting on the server Create WCF SOAP and HTTP web services Develop F# web applications and services that run on Windows Azure Build scalable solutions that allow reuse by mobile and web front-ends Use F# with the WebSharper and Pit frameworks to build end-to-end web stacks [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 HttpClientFactory 22 Building background tasks and services 23 Testing your application

Build Your Own ASP.NET Website Using C# & VB.NET - Zak Ruvalcaba 2004

Provides explanations and code samples for C# and VB.NET to build a website with ASP.NET.

[Building Single Page App Using ASP.NET Core with Entity Framework Core and Angular JS](#) - Rahul Sahay 2016

Résumé : Teaching you how to build a Single Page Application from scratch, this book reviews SPA Skeleton to help you while building the app, and introduces client/server technologies and design patterns that are widely used across industries. --

Blazor WebAssembly by Example - Toi B. Wright 2021-07-09

Discover blueprints that explore various components of Blazor, C#, and .NET to help you build web apps without learning JavaScript Key Features Explore complete, easy-to-follow web projects using Blazor Build projects such as a weather app, expense tracker, and Kanban board with real-world applications Understand and work with Blazor WebAssembly effectively without spending too much time focusing on the theory Book Description Blazor WebAssembly makes it possible to run C# code on the browser instead of having to use JavaScript, and does not rely on plugins or add-ons. The only technical requirement for using Blazor WebAssembly is a browser that supports WebAssembly, which, as of today, all modern browsers do. Blazor WebAssembly by Example is a project-based guide for learning how to build single-page web applications using the Blazor WebAssembly framework. This book emphasizes the practical over the theoretical by providing detailed step-by-step instructions for each project. You'll start by building simple standalone web applications and progress to developing more advanced hosted web applications with SQL Server backends. Each project covers a different aspect of the Blazor WebAssembly ecosystem, such as Razor components, JavaScript interop, event handling, application state, and dependency injection. The book is designed in such a way that you can complete the projects in any order. By the end of this book, you will have experience building a wide variety of single-page web applications with .NET, Blazor WebAssembly, and C#. What you will learn Discover the power of the C# language for both server-side and client-side web development Use the Blazor WebAssembly App project template to build your first Blazor WebAssembly application Use templated components and the Razor class library to build and share a modal dialog box Understand how to use JavaScript with Blazor WebAssembly Build a progressive web app (PWA) to enable native app-like performance and speed Understand dependency injection (DI) in .NET to build a shopping

cart appGet to grips with .NET Web APIs by building a task manager appWho this book is for This book is for .NET web developers who are tired of constantly learning new JavaScript frameworks and wish to write web applications using Blazor WebAssembly, leveraging the power of .NET and C#. The book assumes beginner-level knowledge of the C# language, .NET framework, Microsoft Visual Studio, and web development concepts.

Building Web Services with Microsoft Azure - Alex Belotserkovskiy
2015-05-27

If you are a .NET developer who wants to develop end-to-end RESTful applications in the cloud, then this book is for you. A working knowledge of C# will help you get the most out of this book.

Building Mobile Applications Using Kendo UI Mobile and ASP.NET Web API - Nishanth Nair 2013-09-13

The Packt Beginner's Guide format is designed to make you as comfortable as possible. Using practical examples, this guide will walk you through the ins and outs of web application development with easy step-by-step instructions. If you want to build your own application but don't know where to start, then this is the book for you. With easy-to-follow, step-by-step and real-life examples, you will be building your own applications in a matter of weeks not years.

ASP.NET Core 6 and Angular - Valerio De Sanctis 2022-04-06

Design, build and deploy robust web applications using ASP.NET 6, Angular 13, and Entity Framework Core Key FeaturesThe most up-to-date book that covers cutting-edge features released in ASP.NET Core 6 and Angular 13Create a production-ready Single-Page Application (SPA) or Progressive Web Application (PWA)Adopt a full-stack approach to handle data management, API documentation, Web APIs, end-to-end testing, security, and deploymentBook Description Every full-stack ninja needs the tools to operate on front-end and back-end application development. This web app development book takes a hands-on, project-based approach to provide you with all the tools and techniques that web developers need to create, debug, and deploy efficient web applications using ASP.NET Core and Angular. The fifth edition has been updated to cover advanced topics such as Minimal APIs, Web APIs with GraphQL, real-time updates with SignalR, and new features in .NET 6 and Angular 13. You begin by building a data model with Entity Framework Core, alongside utilizing the Entity Core Fluent API and EntityTypeConfiguration class. You'll learn how to fetch and display data and handle user input with Angular reactive forms and front-end and back-end validators for maximum effect. Later, you will perform advanced debugging and explore the unit testing features provided by xUnit.net (.NET 6) and Jasmine, as well as Karma for Angular. After adding authentication and authorization to your apps, you will explore progressive web applications, learning about their technical requirements, testing processes, and how to convert a standard web application to a PWA. By the end of this web development book, you will understand how to tie together the front-end and back-end to build and deploy secure and robust web applications. What you will learnUse the new Visual Studio Standalone TypeScript Angular templateImplement and consume a Web API interface with ASP.NET CoreSet up an SQL database server using a local instance or a cloud datastorePerform C# and TypeScript debugging using Visual Studio 2022Create TDD and BDD unit tests using xUnit, Jasmine, and KarmaPerform DBMS structured logging using providers such as SeriLogDeploy web apps to Azure App Service using IIS, Kestrel, and NGINXLearn to develop fast and flexible Web APIs using GraphQLAdd real-time capabilities to Angular apps with ASP.NET Core SignalRWho this book is for This book is for experienced ASP.NET developers who already possess some familiarity with ASP.NET Core and Angular and are looking to learn how to use them effectively together. The fully documented code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy to follow.

Building RESTful Web Services with .NET Core - Gaurav Arora
2018-05-31

Building Complete E-commerce/Shopping Cart Application Key Features Follow best practices and explore techniques such as clustering and caching to achieve a reactive, scalable web service Leverage the .NET Framework to quickly implement RESTful endpoints. Learn to implement a client library for a RESTful web service using ASP.NET Core. Book Description REST is an architectural style that tackles the challenges of building scalable web services. In today's connected world, APIs have taken a central role on the web. APIs provide the fabric through which systems interact, and REST has become synonymous with APIs. The depth, breadth, and ease of use of ASP.NET Core makes it a breeze for

developers to work with for building robust web APIs. This book takes you through the design of RESTful web services and leverages the ASP.NET Core framework to implement these services. This book begins by introducing you to the basics of the philosophy behind REST. You'll go through the steps of designing and implementing an enterprise-grade RESTful web service. This book takes a practical approach, that you can apply to your own circumstances. This book brings forth the power of the latest .NET Core release, working with MVC. Later, you will learn about the use of the framework to explore approaches to tackle resilience, security, and scalability concerns. You will explore the steps to improve the performance of your applications. You'll also learn techniques to deal with security in web APIs and discover how to implement unit and integration test strategies. By the end of the book, you will have a complete understanding of Building a client for RESTful web services, along with some scaling techniques. What you will learn Add basic authentication to your RESTful API Create a Carts Controller and Orders Controller to manage and process Orders Intercept HTTP requests and responses by building your own middleware Test service calls using Postman and Advanced REST Client Secure your data/application using annotations Who this book is for This book is intended for those who want to learn to build RESTful web services with the latest .NET Core Framework. To make best use of the code samples included in the book, you should have a basic knowledge of C# and .NET Core.

Pro Single Page Application Development - Gil Fink 2014-05-06

One of the most important and exciting trends in web development in recent years is the move towards single page applications, or SPAs. Instead of clicking through hyperlinks and waiting for each page to load, the user loads a site once and all the interactivity is handled fluidly by a rich JavaScript front end. If you come from a background in ASP.NET development, you'll be used to handling most interactions on the server side. Pro Single Page Application Development will guide you through your transition to this powerful new application type. The book starts in Part I by laying the groundwork for SPA development. You'll master some JavaScript techniques that will come in useful later on, and get to know the building blocks of a single page application, including modules, routing and MV* frameworks. In Part II, you'll build the client for your application. This is where the magic happens, as the authors take you through the process step by step. Backbone.js is the ideal library for demonstrating SPA development in practice, but you can apply the same principles with other frameworks in your future applications. Part III takes you through the process of building the server side of your application using ASP.NET Web API, and hooking up the two parts of your application to create a working whole. SPA development also comes with its own particular challenges, including tracking history, user interface performance, and how to handle search engine optimization. In the final chapters, the authors guide you through some of these issues and advanced techniques and finish by showing you how to deploy your application. As SPAs become the de facto standard of web application development, the in-depth Pro Single Page Application Development will be your one-stop shop for creating fluid, modern applications on the web. What you'll learn Reasons to master single page application development SPA architecture and key concepts Mastering modular JavaScript development techniques Meet the popular Backbone.js library and how to use it to build an SPA Create a back end with ASP.NET Web API and consume it from your SPA How to unit test and performance tune your application Overcome the difficulties of search engine optimization in single page applications Who this book is for This book will suit professional web developers familiar with HTML and JavaScript. Readers will need experience with .NET and C# in order to follow along with Part III, which covers back end development with ASP.NET Web API. Table of ContentsPart I: The Road to Single Page Application Development Chapter 1: Introducing Single Page Applications (SPAs) Chapter 2: JavaScript for SPAs Chapter 3: Modular JavaScript Development Chapter 4: SPA Concepts and Architecture Part II: Building the Front End Chapter 5: Getting Started with Backbone.js Chapter 6: Creating a Single Page Application Step by Step Part III: Building the Back End Chapter 7: Creating a Back-End Service with ASP.NET Web API Chapter 8: Implementing HTTP with ASP.NET Web API Chapter 9: Communication Between Front and Back End Part IV: Advanced SPA Topics Chapter 10: JavaScript Unit Testing Chapter 11: SPA Performance Tuning Chapter 12: Search Engine Optimization for SPAs Chapter 13: Deploying Your SPA

ASP.NET Core 2 and Angular 5 - Valerio De Sanctis 2017-11-24

Develop a simple, yet fully-functional modern web application using ASP.NET Core MVC, Entity Framework and Angular 5. About This Book

Based on the best-selling book ASP.NET Core and Angular 2 Easily build a complete single page application with two of the most impressive frameworks in modern development, ASP.NET Core and Angular Bring together the capabilities and features of both Angular 5 and ASP.NET Core 2 for full stack development Discover a comprehensive approach to building your next web project-From managing data, to application design, through to SEO optimization and security Who This Book Is For This book is for seasoned ASP.NET developers who already know about ASP.NET Core and Angular in general, but want to know more about them and/or understand how to blend them together to craft a production-ready SPA. What You Will Learn Use ASP.NET Core to its full extent to create a versatile backend layer based on RESTful APIs Consume backend APIs with the brand new Angular 5 HttpClient and use RxJS Observers to feed the frontend UI asynchronously Implement an authentication and authorization layer using ASP.NET Identity to support user login with integrated and third-party OAuth 2 providers Configure a web application in order to accept user-defined data and persist it into the database using server-side APIs Secure your application against threats and vulnerabilities in a time efficient way Connect different aspects of the ASP. NET Core framework ecosystem and make them interact with each other for a Full-Stack web development experience In Detail Become fluent in both frontend and backend web development by combining the impressive capabilities of ASP.NET Core 2 and Angular 5 from project setup right through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an application. The frontend is the part that users will see or interact with, while the backend is the underlying engine, that handles the logical flow: server configuration, data storage and retrieval, database interactions, user authentication, and more. Use the ASP.NET Core MVC framework to implement the backend with API calls and server-side routing. Learn how to put the frontend together using top-notch Angular 5 features such as two-way binding, Observables, and Dependency Injection, build the Data Model with Entity Framework Core, style the frontend with CSS/LESS for a responsive and mobile-friendly UI, handle user input with Forms and Validators, explore different authentication techniques, including the support for third-party OAuth2 providers such as Facebook, and deploy the application using Windows Server, SQL Server, and the IIS/Kestrel reverse proxy. Style and approach More than just a technical manual, this guide takes you through the most important technical facets of developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice. It's a book that recognizes that what's really important is the end product.

Learning Angular for .NET Developers - Rajesh Gunasundaram
2017-06-30

Build efficient web apps and deliver great results by integrating Angular and the .NET framework About This Book Become a more productive developer and learn to use frameworks that implement good development practices Achieve advanced autocompletion, navigation, and refactoring in Angular using Typescript Follow a gradual introduction to the concepts with a lot of examples and explore the evolution of a production-ready application Who This Book Is For If you are a .NET developer who now wants to efficiently build single-page applications using the new features that Angular 4 has to offer, then this book is for you. Familiarity of HTML, CSS, and JavaScript is assumed to get the most from this book. What You Will Learn Create a standalone Angular application to prototype user interfaces Validate complex forms with Angular version 4 and use Bootstrap to style them Build RESTful web services that work well with single-page applications Use Gulp and Bower in Visual Studio to run tasks and manage JavaScript packages Implement automatic validation for web service requests to reduce your boilerplate code Use web services with Angular version 4 to offload and secure your application logic Test your Angular version 4 and web service code to improve the quality of your software deliverables In Detail Are you are looking for a better, more efficient, and more powerful way of building front-end web applications? Well, look no further, you have come to the right place! This book comprehensively integrates Angular version 4 into your tool belt, then runs you through all the new options you now have on hand for your web apps without bogging you down. The frameworks, tools, and libraries mentioned here will make your work productive and minimize the friction usually associated with building server-side web applications. Starting off with building blocks of Angular version 4, we gradually move into integrating TypeScript and ES6. You will get confident in building single page applications and using Angular for prototyping components. You will then move on to building

web services and full-stack web application using ASP.NET WebAPI. Finally, you will learn the development process focused on rapid delivery and testability for all application layers. Style and approach This book covers everything there is to know about getting well-acquainted with Angular 4 and .NET without bogging you down. Everything is neatly laid out under clear headings for quick consultation, offering you the information required to understand a concept immediately, with short, relevant examples of each feature.

Professional ASP.NET 4.5 in C# and VB - Jason N. Gaylord
2013-04-26

The all-new approach for experienced ASP.NET professionals! ASP.NET is Microsoft's technology for building dynamically generated web pages from database content. Originally introduced in 2002, ASP.NET has undergone many changes in multiple versions and iterations as developers have gained a decade of experience with this popular technology. With that decade of experience, this edition of the book presents a fresh, new overhauled approach. A new focus on how to build ASP.NET sites and applications relying on field-tested reliable methods Integration of "One ASP.NET" philosophy treating ASP.NET Web Forms and ASP.NET MVC as equal tools each with their proper time and place Coverage of hot new ASP.NET 4.5 additions such as the Web API, Websockets and HTML5 & CSS3 use in layout but only to the extent that the tools themselves are practical and useful for working ASP.NET developers Professional ASP.NET 4.5 in C# and VB is an essential tool for programmers who need to be productive and build reliably performing sites with the latest ASP.NET Framework and Visual Studio.

Learning ASP.NET Core 2.0 - Jason De Oliveira 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

ASP.NET Core 3 and React - Carl Rippon 2019-12-27

Build modern, scalable, and cloud-ready single-page applications using ASP.NET Core, React, TypeScript, and Azure Key Features Explore the full potential and latest features of .NET Core 3.0, TypeScript 3, and React Learn how to manage data, application design, and packaging, and secure your web apps Discover best practices for using React and

TypeScript to build a scalable frontend that interacts with REST APIs

Book Description Microsoft's ASP.NET Core is a robust and high-performing cross-platform web API framework, and Facebook's React uses declarative JavaScript to drive a rich, interactive user experience on the client-side web. Together, they can be used to build full stack apps with enhanced security and scalability at each layer. This book will start by taking you through React and TypeScript components to build an intuitive single-page application. You'll understand how to design scalable REST APIs that can integrate with a React-based frontend. You'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. The book shows how you can use TypeScript along with React to make the frontend robust and maintainable. You'll then cover important .NET Core features such as API controllers, attribute routing, and model binding to help you build a sturdy backend. Additionally, you'll explore API security with ASP.NET Core identity and authorization policies, and write reliable unit tests using both .NET Core and React before you deploy your app to the Azure cloud. By the end of the book, you'll have gained all the knowledge you need to enhance your C# and JavaScript skills and build full stack, production-ready applications with ASP.NET Core and React. What you will learn

- Build RESTful APIs with .NET Core using API controllers
- Create strongly typed, interactive, and function-based React components using Hooks
- Build forms efficiently using reusable React components
- Perform client-side state management with Redux and the React Context API
- Secure REST APIs with ASP.NET identity and authorization policies
- Run a range of automated tests on the frontend and backend
- Implement continuous integration (CI) and continuous delivery (CD) processes into Azure using Azure DevOps

Who this book is for If you're a web developer looking to build solid full-stack web applications with .NET Core and React, this book is for you. Although this book does not assume any knowledge of React, you're expected to have a basic understanding of .NET Core.

ASP.NET Core 5 and React - Carl Rippon 2021-01-08

Build fully functional, cloud-ready, and professional web applications using the latest features in the .NET 5 framework and React.js with Microsoft Azure

Key Features Explore the new features of .NET 5 with this updated edition of ASP.NET Core 5 and React

- Discover strategies for adopting a full-stack development approach, clean architecture techniques, and development best practices
- Learn how to manage data, design and package applications, and secure your web apps

Book Description Microsoft's .NET framework is a robust server-side framework, now even more powerful thanks to the recent unification of the Microsoft ecosystem with the .NET 5 framework. This updated second edition addresses these changes in the .NET framework and the latest release of React. The book starts by taking you through React and TypeScript components for building an intuitive single-page application and then shows you how to design scalable REST APIs that can integrate with a React-based frontend. Next, you'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. As you progress through the chapters, you'll learn how to use React with TypeScript to make the frontend robust and maintainable and cover key ASP.NET 5 features such as API controllers, attribute routing, and model binding to build a sturdy backend. In addition to this, you'll explore API security with ASP.NET 5 identity and authorization policies and write reliable unit tests using both .NET and React, before deploying your app on Azure. By the end of this book, you'll have gained the knowledge you need to enhance your C# and JavaScript skills and build full-stack, production-ready applications with ASP.NET 5 and React. What you will learn

- Build RESTful APIs with .NET 5 using API controllers
- Secure REST APIs with identity and authorization policies
- Create strongly typed, interactive, and function-based React components using Hooks
- Understand how to style React components using Emotion.js
- Perform client-side state management with Redux
- Run a range of automated tests on the frontend and backend
- Implement continuous integration and continuous delivery (CI/CD) processes in Azure using Azure DevOps

Who this book is for If you're a web developer looking to get up to speed with full-stack web application development with .NET Core and React, this book is for you. Although the book does not assume any knowledge of React, a basic understanding of .NET Core will help you to get to grips with the concepts covered.

Pro Single Page Application Development - Gil Fink 2014-05-10

One of the most important and exciting trends in web development in recent years is the move towards single page applications, or SPAs. Instead of clicking through hyperlinks and waiting for each page to load,

the user loads a site once and all the interactivity is handled fluidly by a rich JavaScript front end. If you come from a background in ASP.NET development, you'll be used to handling most interactions on the server side. Pro Single Page Application Development will guide you through your transition to this powerful new application type. The book starts in Part I by laying the groundwork for SPA development. You'll master some JavaScript techniques that will come in useful later on, and get to know the building blocks of a single page application, including modules, routing and MV* frameworks. In Part II, you'll build the client for your application. This is where the magic happens, as the authors take you through the process step by step. Backbone.js is the ideal library for demonstrating SPA development in practice, but you can apply the same principles with other frameworks in your future applications. Part III takes you through the process of building the server side of your application using ASP.NET Web API, and hooking up the two parts of your application to create a working whole. SPA development also comes with its own particular challenges, including tracking history, user interface performance, and how to handle search engine optimization. In the final chapters, the authors guide you through some of these issues and advanced techniques and finish by showing you how to deploy your application. As SPAs become the de facto standard of web application development, the in-depth Pro Single Page Application Development will be your one-stop shop for creating fluid, modern applications on the web.

Front-end Development with ASP.NET Core, Angular, and Bootstrap - Simone Chiaretta 2018-03-07

Stay ahead of the web evolution with elegant combination front-end development

Front-End Development with ASP.NET Core, Angular, and Bootstrap is the professional's guide to fast, responsive web development. Utilizing the most popular combination of web technologies for Microsoft developers, this guide provides the latest best practices and ASP.NET MVP guidance to get you up to speed quickly. The newest ASP.NET - now called ASP.NET Core - is leaner, easier to use, and less bound to the operating system and IDE, giving you the perfect opportunity to leverage third-party frameworks and libraries that provide functionalities not native to ASP.NET Core and Visual Studio. This book shows you how to integrate ASP.NET Core with Angular, Bootstrap, and similar frameworks, with a bit of jQuery Mobile, Nuget, continuous deployment, Bower dependencies, and Gulp/Grunt build systems, including development beyond Windows on Mac and Linux. With clear, concise instruction and expert insight, this guide is an invaluable resource for meeting the demands of modern web development. Combine ASP.NET Core with different tools, frameworks, and libraries

- Utilize third-party libraries with non-native functionalities
- Adopt the most up-to-date best practices for front-end development
- Develop flexible, responsive design sites

The world of web development is evolving faster than ever before, and the trend is toward small, focused frameworks with modular capabilities. Microsoft has noticed, and upgraded ASP.NET Core to align with the latest industry expectations. Front-End Development with ASP.NET Core, Angular, and Bootstrap helps you elegantly integrate these technologies to develop the sites that the industry demands.

Building Single Page Applications in .NET Core 3 - Michele Aponte 2020-06-05

Attention .NET developers who no longer want to use JavaScript for your front end. Quickly and efficiently learn how to use C# for your single-page application (SPA) thanks to Blazor. Today's reality is that most modern applications are web-based and if you want the same user experience as a desktop application, you need to be able to create a single-page application. While there are multiple frameworks and libraries to choose from (including Angular, React, and VueJS), you still need to know how to code in JavaScript. But now there is another option from Microsoft. Blazor is an open-source framework that enables developers to create web applications using C# and HTML, and everything you need to get started is covered in this guide. You will learn the steps, through build-along coding examples, that will allow you to use the same language for both the front end and the back end of your application. This book is designed to get you comfortable creating a single-page application in the shortest time possible. Get ready to create a complete business application that teaches and reinforces the skills you need in a Blazor production environment. What You Will Learn

- Develop the front end of an application using C# and .NET Core
- Use this quick-start for .NET developers who need to improve their application with a single-page front end
- Take a code-first approach that models an actual business application
- Gain insights for developing a high-functioning and maintainable application
- Study guidance on repurposing your .NET skill

set Who This Book Is For C# and .NET developers who have some experience in web development

[Hands on with ASP.NET MVC](#) - Rahul Sahay 2014-10-01

MVC (Model-View-Controller) is the popular Microsoft technology which enables you to build dynamic, data-driven, mobile websites, TDD site. Hands-On with ASP.NET MVC is not only written for those who are going to have affair with MVC for the 1st time, rather it is written in such a way that even experienced professional will love reading this book. This book covers all the tiny steps on using MVC at its best. With complete practical tutorials to illustrate the concepts, you will step by step build one End to End application which covers below mentioned techniques - Controllers, Views, Models, Forms and HTML helpers, Data annotation and Validation, Membership, Authorization, Security rather you will also learn how to bootstrap your design, then how to host the app in AZURE, Web API and Dependency Injection. It also covers MVC 5 and MVC 6 features like, • Mobile optimization, • Improved Scaffolding, • ASP.Net Identity, • One ASP.Net, Bootstrap • Common framework for MVC, • Web API and WebPages, • Self hosting, • Cloud Optimized, • No Build Dependency, • Cross platform support, • And many more out of the box things.

[ASP.NET Core 3 and Angular 9](#) - Valerio De Sanctis 2020-02-14

Build a simple, yet fully-functional modern web application using .NET Core 3.1, Entity Framework Core and Angular 9 Key Features Explore the latest edition of the bestselling book ASP.NET Core 2 and Angular 5 Design, build and deploy a Single Page Application or Progressive Web App with ASP.NET Core and Angular Adopt a full stack approach to handle data management, Web APIs, application design, testing, SEO, security and deployment Book Description Learning full stack development calls for knowledge of both frontend and backend web development. By covering the impressive capabilities of ASP.NET Core 3.1 and Angular 9, right from project setup through to the deployment phase, this book will help you to develop your skills effectively. The book will get you started with using the .NET Core framework and Web API Controllers to implement API calls and server-side routing in the backend. Next, you will learn to build a data model with Entity Framework Core and configure it using either a local SQL Server instance or cloud-based data stores such as Microsoft Azure. The book will also help you handle user input with Angular reactive forms and frontend and backend validators for maximum effect. You will later explore the advanced debugging and unit testing features provided by xUnit.net (.NET Core) and Jasmine, as well as Karma for Angular. Finally, you will implement various authentication and authorization techniques with the ASP.NET Core Identity system and the new IdentityServer, as well as deploy your apps on Windows and Linux servers using IIS, Kestrel, and Nginx. By the end of this book, you will be equipped with the skills you need to create efficient web applications using ASP.NET Core and Angular. What you will learn Implement a Web API interface with ASP.NET Core and consume it with Angular using RxJS

Observables Create a data model using Entity Framework Core with code-first approach and migrations support Set up and configure a SQL database server using a local instance or a cloud data store on Azure Perform C# and JavaScript debugging using Visual Studio 2019 Create TDD and BDD unit test using xUnit, Jasmine, and Karma Implement authentication and authorization using ASP.NET Identity, IdentityServer4, and Angular API Build Progressive Web Apps and explore Service Workers Who this book is for This book is for experienced ASP.NET developers who already know about ASP.NET Core and Angular and are looking to learn more about them and understand how to use them together to create production-ready Single Page Applications (SPAs) or Progressive Web Applications (PWAs). However, the fully-documented code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy-to-understand - even for beginners and developers who are just getting started.

Building Single Page App Using ASP.NET Core and Angular - RAHUL. SAHAI 2018-03-25

Building Single Page App using ASP.NET Core and Angular is not at all meant for freshers or for those who just started programming. This Book covers tons of client-server side technologies. For example it uses ASP.NET Core, Entity Framework Core, WebAPI, Repository Pattern, Unit of Work Pattern, Angular, Responsive design principles, HTML 5, Solid Principles, Design Patterns, etc. to name a few. Now to illustrate each and every concept right from the scratch is fairly impossible as it kills the purpose of writing this book. This book is for my readers who regularly ask me to write something combining all these

principles. There are tons of developers and professionals around the world who know these concepts in bits and pieces but don't know how to connect the dots to build as an application. This book is entirely written around industry & coding standard, design principles. Hence, if you are fresher or just started your job, I would recommend to understand basics first and then refer this book. Otherwise, this will appear overwhelming at the beginning. From the second chapter, you will find questions section at the end of every chapter. If you are following this book precisely, you should be able to answer these questions on your own. These are project specific questions which are generally asked in any technical interviews. CONTENTS Chapter 1: Getting Started Chapter 2: Creating Solution From The Blank Slate Chapter 3: Creating Data Context Chapter 4: Implementing Web API Chapter 5: Getting Started with Angular Chapter 6: Deeper into Angular Chapter 7: Adding More Features Using Angular Chapter 8: Adding More Features to the App Chapter 9: Authentication & Authorisation Chapter 10: Introduction to Azure and CosmosDb

Practical Multiple-Page Apps with ASP.NET Core and Angular Elements - Jack Xu 2019-07-16

This book provides all the tools you need to develop ultra-modern multiple-page applications (MPAs) using ASP.NET Core Razor Pages, Angular elements, WebPack, RxJS, and mini-SPAs (Single-Page Applications). It will be useful for web programmers, business developers, and students of all skill levels who are interested in web-application developments. This book teaches you how to build a modern web site/application using a hybrid approach - the simplest being host one or more mini-SPAs within a larger multiple-page web application. It shows how to split a web application into functional parts, and convert each functional part into its own SPA. These mini-SPAs together form a complete multiple-page application. For each mini SPA, we use a simple JavaScript routing system to organize the states of the application and switch between different views by watching changes on the URL. The technical stack for backend consists of operating system, web server, database, and programming logic. This book chooses ASP.NET Core Razor Pages and SQL Server as the backend framework. A Razor page consists of a Razor view and a code behind file. Each Razor page is self-contained with its own view and code organized together, resulting in a simpler app, which makes coding page-focused scenarios easier and more productive. The front-end components enable the user's interaction with the web application. In this book, we choose TypeScript, npm, WebPack, RxJS, and Angular as our front-end technical stack. TypeScript is a modern JavaScript development language that provides optional static type checking, classes, and interfaces. It also offers advanced Intellisense, auto-completion, navigation, and refactoring, which makes code easier to read and understand. WebPack is a bundler and it comes in handy when you need to pack multiple assets together into a dependency graph. There is a rising tendency to use WebPack because it can fulfil nearly all tasks that you would perform through a task runner. RxJS is a library for reactive programming using observables, which make it easier to compose asynchronous or callback-based code. This book will explain how to use all of these technologies together to create a modern web application. Angular is a popular front-end JavaScript framework. Even though it is used for SPA development, we can still take advantage of this framework in building modern multiple-page web applications, i.e., we can use Angular in a non-SPA way via Angular elements. Angular elements are Angular components packaged as custom elements, a web standard for defining new HTML elements in a framework-agnostic way. This book shows how to embed Angular elements into our modern MPA project without having to migrate an entire application to Angular. This book also includes the other selected topics, including how to use Microsoft ML.NET to solve machine learning problems, such as classification, regression, and clustering; how to create various charts and graphics using ECharts; how to use SignalR to add real-time features to your web apps; how to use dependency injection, and how to create custom tag helpers and Razor Class Libraries in Razor Pages.

[SPA Design and Architecture](#) - Emmit A. Scott, Jr. 2015-11-12

Summary SPA Design and Architecture teaches you the design and development skills you need to create SPAs. Includes an overview of MV* frameworks, unit testing, routing, layout management, data access, pub/sub, and client-side task automation. This book is full of easy-to-follow examples you can apply to the library or framework of your choice. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The next step in the development of web-based software, single-page web

applications deliver the sleekness and fluidity of a native desktop application in a browser. If you're ready to make the leap from traditional web applications to SPAs, but don't know where to begin, this book will get you going. About the Book SPA Design and Architecture teaches you the design and development skills you need to create SPAs. You'll start with an introduction to the SPA model and see how it builds on the standard approach using linked pages. The author guides you through the practical issues of building an SPA, including an overview of MV* frameworks, unit testing, routing, layout management, data access, pub/sub, and client-side task automation. This book is full of easy-to-follow examples you can apply to the library or framework of your choice. What's Inside Working with modular JavaScript Understanding MV* frameworks Layout management Client-side task automation Testing SPAs About the Reader This book assumes you are a web developer and know JavaScript basics. About the Author Emmitt Scott is a senior software engineer and architect with experience building large-scale, web-based applications. Table of Contents PART 1 THE BASICS What is a single-page application? The role of MV* frameworks Modular JavaScript PART 2 CORE CONCEPTS Navigating the single page View composition and layout Inter-module interaction Communicating with the server Unit testing Client-side task automation APPENDIXES Employee directory example walk-through Review of the XMLHttpRequest API Chapter 7 server-side setup and summary Installing Node.js and Gulp.js **Building a Web App with Blazor and ASP .Net Core** - Jignesh Trivedi 2020-07-16

Learn how to create and deploy a SPA in C# with Blazor KEY FEATURES - Get familiar with the basic and advanced concepts of the Blazor framework - Understand how to implement JavaScript interop in Blazor - Learn how to inject the service dependency in Blazor - Learn how to implement security using Authentication and authorization - Deploy and host your Blazor app on IIS and Azure DESCRIPTION Blazor is a new, open-source, and SPA web framework that allows you to build a web application using C# and HTML. Blazor enables you to write C# code instead of JavaScript. This book is a comprehensive guide about the new modern Blazor framework. It begins with an introduction to the Blazor and its components and concepts. It explains how you can start the development process, what tools you can use to develop an application, and how you can deploy it. You will then learn more about Databind, Eventbinding, layout, routing, JavaScript interop, and Dependency Injection. Concepts such as Authentication and authorization, error handling are also covered. Towards the end, you will learn how to deploy your Single Page Application Using Blazor. WHAT WILL YOU LEARN - Explore and use a various way to create a Blazor component - Get familiar with the working of Data Binding, Event Binding, Layouts, Routing, and Validation - Learn how to invoke JavaScript functions from .NET methods - Preserving State in Server-Side Blazor applications - Authentication and Authorization using Facebook API & Google API - Host and Deploy your Blazo app on IIS and Azure WHO THIS BOOK IS FOR This book is for web developers who want to use Blazor to build web apps. This book will also help and guide web developers who are currently using Blazor. TABLE OF CONTENTS 1. An Introduction to Blazor 2. Components and Structure for Blazor Applications 3. Blazor Concepts 4. Dependency injection in Blazor 5. JavaScript interop 6. State management 7. Authentication and Authorization 8. Handle & Log errors in Blazor Application 9. Getting Started with Blazor Using Visual Studio 2019 10. Hosting and Deployment

Beginning Database Programming Using ASP.NET Core 3 - Bipin Joshi 2019-12-11

Hit the ground running with this book to quickly learn the fundamentals of HTML form processing, user authentication, and database CRUD (Create, Read, Update, and Delete) operations using the ASP.NET Core family of technologies. You will utilize cutting-edge and popular technology options from both the server side and client side to help you achieve your web application goals as quickly as possible. Developers who want to learn ASP.NET Core and complementary technologies are often overwhelmed by the large number of options involved in building modern web applications. This book introduces you to the most popular options so that you can confidently begin working on projects in no time. You will learn by example, building a sample application that demonstrates how the same application can be built using different options. This experiential approach will give you the basic skills and knowledge to understand how the options work together so that you can make an informed decision about the available choices, their trade-offs, and code level comparison. After reading this book, you will be able to choose your selected learning path. What You Will Learn Develop data

entry forms in ASP.NET Core, complete with validations and processing Perform CRUD operations using server-side options: ASP.NET Core MVC, Razor Pages, Web APIs, and Blazor Perform CRUD operations using client-side options: jQuery and Angular Secure web applications using ASP.NET Core Identity, cookie authentication, and JWT authentication Use RDBMS and NoSQL data stores: SQL Server, Azure SQL Database, Azure Cosmos DB, and MongoDB for CRUD operations Deploy ASP.NET Core web applications to IIS and Azure App Service Who This Book Is For Developers who possess a basic understanding of ASP.NET and how web applications work. Some experience with Visual Studio 2017 or higher, C#, and JavaScript is helpful.

Professional ASP.NET MVC 4 - Jon Galloway 2012-09-17

An outstanding author team presents the ultimate Wrox guide to ASP.NET MVC 4 Microsoft insiders join giants of the software development community to offer this in-depth guide to ASP.NET MVC, an essential web development technology. Experienced .NET and ASP.NET developers will find all the important information they need to build dynamic, data-driven websites with ASP.NET and the newest release of Microsoft's Model-View-Controller technology. Featuring step-by-step guidance and lots of code samples, this guide gets you started and moves all the way to advanced topics, using plenty of examples. Designed to give experienced .NET and ASP.NET programmers everything needed to work with the newest version of MVC technology Expert author team includes Microsoft ASP.NET MVC insiders as well as leaders of the programming community Covers controllers, views, models, forms and HTML helpers, data annotation and validation, membership, authorization, security, and routing Includes essential topics such as Ajax and jQuery, NuGet, dependency injection, unit testing, extending MVC, and Razor Includes additional real-world coverage requested by readers of the previous edition as well as a new case study example chapter *Angular Router* - Victor Savkin 2017-03-20

From Angular core team member and creator of the router About This Book Written by the creator of the Angular router, giving you the best information straight from the source Get full coverage of the entire Angular Router library and understand exactly how every command works Essential for all serious users of Angular who need to manage states within their applications Who This Book Is For To get the most from this book, you should already have a good understanding of Angular and general web development. What You Will Learn Understand the role of the Angular router and how to make the most of it Build and parse complex URLs Learn about the componentless and empty-path routes Take control of states in your application Make use of imperative navigation Understand guards and how they can benefit your applications Optimize configuration and run tests on your routing In Detail Managing state transitions is one of the hardest parts of building applications. This is especially true on the web, where you also need to ensure that the state is reflected in the URL. In addition, you might want to split applications into multiple bundles and load them on demand. Doing this transparently isn't easy. The Angular router solves these problems. Using the router, you can declaratively specify application states, manage state transitions while taking care of the URL, and load bundles on demand. This book is a complete description of the Angular router written by its designer. It goes far beyond a how-to-get-started guide and talks about the library in depth. The mental model, design constraints, and the subtleties of the API-everything is covered. You'll learn in detail how to use the router in your own applications. Predominantly, you'll understand the inner workings of the router and how you can configure it to work with any edge cases you come across in your sites. Throughout the book, you'll see examples from real-world use in the MailApp application. You can view the full source of this application and see how the router code works to manage the state of the application and define what is visible on screen. Reading this book will give you deep insights into why the router works the way it does and will make you an Angular router expert. Style and approach This is an extremely practical book full of code examples and descriptions to help you understand the inner workings of the Angular router.

ASP.NET Core: Cloud-ready, Enterprise Web Application Development - Mugilan T. S. Ragupathi 2017-06-09

Create fast, scalable, and high-performance applications with C# and ASP.NET Core About This Book Get first-principle coverage of the latest ASP.NET Core MVC Find out how to bring together the capabilities and features of both Angular 2 and ASP.NET Core Discover common areas you might encounter performance problems with and areas you don't need to worry about Who This Book Is For This book is for developers who want to learn to build web applications using ASP.NET Core, those

who want to make a career building web applications using Microsoft technology, and those who are working on other web frameworks and want to learn ASP.NET Core. What You Will Learn Get to know the concepts of ASP.NET MVC Create a Controller with action methods Build a view using several features of the Razor View engine Construct a Model for ASP.NET Core MVC application Find out how the features of ASP.NET Core and Angular 2 perfectly complement each other Handle requests and actions using server-side and client-side Routing Create a Data Model using Entity Framework Core Learn how to use Angular 2 components and master directives Improve performance at the network level and I/O level, and how to optimize the application as a whole Monitor performance as part of Continuous Integration and regression testing In Detail ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications that can be deployed on non-Windows platforms such as Linux. Starting with an overview of the MVC pattern, you will quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will learn to execute with this fast-paced guide. You will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Moving forward, this guide will teach you to combine the impressive capabilities of ASP.NET Core and Angular 2. Not only will you learn how Angular 2 can complement your .NET skills and toolkit, you'll also learn everything you need to build a complete, dynamic single-page application. Find out how to get your data model in place and manage an API, before styling and designing your frontend for an exceptional user experience. You will find out how to optimize your application for SEO, identify and secure vulnerabilities, and how to successfully deploy and maintain your application. From here, you will delve into the latest frameworks and software design patterns to improve your application performance. The course offers premium, highly practical content on the recently released ASP.NET Core, and includes material from the following Packt books: Learning ASP.NET Core MVC Programming, ASP.NET Core and Angular 2, and ASP.NET Core 1.0 High Performance. Style and approach This learning path takes a first-principles approach to help you understand and implement ASP.NET MVC solutions.

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)

Practical Quantitative Finance with ASP.NET Core and Angular - Jack Xu 2019-03

This book provides comprehensive details of developing ultra-modern, responsive single-page applications (SPA) for quantitative finance using ASP.NET Core and Angular. It pays special attention to create distributed web SPA applications and reusable libraries that can be directly used to solve real-world problems in quantitative finance. The book contains: Overview of ASP.NET Core and Angular, which is necessary to create SPA for quantitative finance. Step-by-step approaches to create a variety of Angular compatible real-time stock charts and technical indicators using ECharts and TA-Lib. Introduction to access market data from online data sources using .NET Web API and Angular service, including EOD, intraday, real-time stock quotes, interest rates. Detailed procedures to price equity options and fixed-income instruments using QuantLib, including European/American/Barrier/Bermudan options, bonds, CDS, as well as related topics such as cash flows, term structures, yield curves, discount factors, and zero-coupon bonds. Detailed explanation to linear analysis and machine learning in finance, which covers linear regression, PCA, KNN, SVM, and neural networks. In-depth descriptions of trading strategy development and back-testing for crossover and z-score based trading signals.

Mastering ASP. NET Core 1. 0 - Mitchel Sellers 2017-03-31

Build powerful and professional web applications with ASP.NET MVC 6 About This Book* Grasp the advanced concepts of ASP.NET MVC 6 and start making professional-grade applications* Integrate Angular2 and Bootstrap with your applications and make them stand out* Get going with the next steps of MVC with ASP.NET Web API and building a Single

Page Application (SPA) using Angular2 so you can stay ahead of your competitors Who This Book Is For If you are developer who knows the basics of ASP.NET MVC and wants to build powerful applications, this book is for you. You should have basic C# experience with an understanding of HTML and CSS. You should also know your way around Visual Studio and related functionalities. What You Will Learn* Build a project with ASP.NET MVC Core* Create complex UI layouts and Models/ViewModels* Implement dependency injection into applications including core ASP.NET concepts* Develop an application using Visual Studio code* Use the Bootstrap framework to create interfaces* Generate bundled CSS and JS packages* Design complex and complete APIs* Leverage the caching frameworks provided by .NET runtimes In Detail With the recent changes in ASP.NET 4.6, ASP.NET Core comes with embedded features that include Web API and MVC. ASP.NET Core 1.0 is a new beginning and a fork in the road, while ASP.NET 4.6 continues on. Mastering ASP.NET Core 1.0 will help you transition from legacy MVC applications to the new ASP.NET Core framework. We will start with a brief overview of the basics to ensure you have a good foundational knowledge to start the book. We will follow this with the advanced content, and change an MVC application from basic to professional, specifically routing and advanced routing options, model binding, controllers and actions, filters, user authentication, testing, and deployment. You will learn about all aspects of the syntax and processes when working with Razor. We will also introduce a third-party framework such as Bootstrap to give the application a facelift. We will also explore how to build a SPA with ASP.NET Web API and AngularJS. By the end of the book, you will be well versed with development in ASP.NET MVC and will have a deep understanding of how to interact with the framework and work in a cross-platform manner.

Programming ASP.NET MVC 4 - Jess Chadwick 2012-09-26

Provides information on using ASP.NET MVC 4 to build server-side Web applications.

ASP.NET Core 2 and Vue.js - Stuart Ratcliffe 2018-07-30

Leverage ASP.NET core 2.0 web API and the power of Vue.js at the client side to create modern applications from scratch Key Features Create fast, rich and reactive client side applications with Vue.js and ASP.NET Core. Leverage Vue components efficiently to build state of the art user interfaces. Work with Vuex and Nuxt.js to build ASP.NET Core based applications that are powerful, consistent, and maintainable Book Description This book will walk you through the process of developing an e-commerce application from start to finish, utilizing an ASP.NET Core web API and Vue.js Single-Page Application (SPA) frontend. We will build the application using a featureslice approach, whereby in each chapter we will add the required frontend and backend changes to complete an entire feature. In the early chapters, we'll keep things fairly simple to get you started, but by the end of the book, you'll be utilizing some advanced concepts, such as server-side rendering and continuous integration and deployment. You will learn how to set up and configure a modern development environment for building ASP.NET Core web APIs and Vue.js SPA frontends. You will also learn about how ASP.NET Core differs from its predecessors, and how we can utilize those changes to our benefit. Finally, you will learn the fundamentals of building modern frontend applications using Vue.js, as well as some of the more advanced concepts, which can help make you more productive in your own applications in the future. What you will learn Setup a modern development environment for building both client-side and server-side code Use Vue CLI to scaffold front-end applications Build and compose a set of Vue.js components Setup and configure client-side routing to introduce multiple pages into a SPA Integrate popular CSS frameworks with Vue.js to build a product catalogue Build a functioning shopping cart that persists its contents across browser sessions Build client-side forms with immediate validation feedback using an open-source library dedicated to Vue.js form validation Refactor backend application to use the OpenIddict library Who this book is for This book is aimed at ASP.NET developers who are looking for an entry point in learning how to build a modern client-side SPA with Vue.js, or those with a basic understanding of Vue.js who are looking to build on their knowledge and apply it to a real-world application. Knowledge of JavaScript is not necessary, but would be an advantage.

Beginning ASP.NET MVC 4 - Jose Rolando Guay Paz 2013-08-26

By now you'll have heard of ASP.NET MVC. This exciting new approach to developing ASP.NET web applications has taken the development world by storm over the last few years. Now a mature technology suitable for mainstream use, its adoption has exploded in recent times.

Until recently, ASP.NET MVC was regarded as an advanced technology only suitable for experienced developers with a strong knowledge of classic ASP.NET and C# coding behind them. This book overturns that prejudice and shows that the beautiful simplicity of ASP.NET MVC is just as suitable for novice developers venturing into real-world application design for the first time. With the aid of a fully worked demo application this book explains and demonstrates for you the three pillars of MVC in action. You'll see how the Model, View and Controller patterns work together in a complementary manner to provide MVC's powerful results. There's never been a better time to learn how to use ASP.NET MVC 4. The technology will speed your development times, reduce the verbosity of your code and simplify your application designs all at once. Take the first step towards ASP.NET MVC mastery with *Beginning ASP.NET MVC 4*.

ASP.NET Core 3 and React - Cart Rippon 2019-12-27

Build modern, scalable, and cloud-ready single-page applications using ASP.NET Core, React, TypeScript, and Azure Key Features Explore the full potential and latest features of .NET Core 3.0, TypeScript 3, and React Learn how to manage data, application design, and packaging, and secure your web apps Discover best practices for using React and TypeScript to build a scalable frontend that interacts with REST APIs Book Description Microsoft's ASP.NET Core is a robust and high-performing cross-platform web API framework, and Facebook's React uses declarative JavaScript to drive a rich, interactive user experience on the client-side web. Together, they can be used to build full stack apps with enhanced security and scalability at each layer. This book will start by taking you through React and TypeScript components to build an intuitive single-page application. You'll understand how to design scalable REST APIs that can integrate with a React-based frontend. You'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. The book shows how you can use TypeScript along with React to make the frontend robust and maintainable. You'll then cover important .NET Core features such as API controllers, attribute routing, and model binding to help you build a sturdy backend.

Additionally, you'll explore API security with ASP.NET Core identity and authorization policies, and write reliable unit tests using both .NET Core and React before you deploy your app to the Azure cloud. By the end of the book, you'll have gained all the knowledge you need to enhance your C# and JavaScript skills and build full stack, production-ready applications with ASP.NET Core and React. What you will learn Build RESTful APIs with .NET Core using API controllers Create strongly typed, interactive, and function-based React components using Hooks Build forms efficiently using reusable React components Perform client-side state management with Redux and the React Context API Secure REST APIs with ASP.NET identity and authorization policies Run a range of automated tests on the frontend and backend Implement continuous integration (CI) and continuous delivery (CD) processes into Azure using Azure DevOps Who this book is for If you're a web developer looking to build solid full-stack web applications with .NET Core and React, this book is for you. Although this book does not assume any knowledge of React, you're expected to have a basic understanding of .NET Core.

ASP.NET Web API and Angular 2 - Valerio de Sanctis 2016-10-31

The framework of choice to build reactive, feature-rich Single Page Applications that just work About This Book * Learn how to design Single Page Applications (SPAs) with the latest versions of the popular frameworks Angular 2 and ASP.NET Web API * An explicit focus on understanding how the two tools fit together gives this book a unique insight on how to make SPAs for you and your clients that just work * This book covers all the major topics you need to create SPAs with ASP.NET Web API and Angular 2: routing, creating clean URLs, handling data (OData), and authentication Who This Book Is For This book is for seasoned ASP.NET developers who already know how to use ASP.NET Web API and AngularJS, but want to blend them together to craft a production-ready SPA. What You Will Learn * Get to know the MVC 6 core aspects such as Model and Web API Controller * Gain the required resources and configure the MVC 6 interface * See how to client-route requests * Set-up the data model using entity framework * Extend the client controllers * Secure your application against various security threats In

Detail For most developers, writing code is a balance between maintainability and productivity-how quickly can you write it versus how much more you have to write in the future. Writing APIs goes some way to striking a balance, as you can have an API that feeds data from your back-end to front-end service for consumption. Now, this front-end can change to a mobile app, a website, desktop app, but what you do at the back doesn't change and remains ASP.NET Web API. This book focuses on blending and connecting ASP.NET Web API and AngularJS. We'll guide you through building a fully-featured, potentially shippable SPA project with all its core aspects in place: readable URIs, OData retrieval, authentication patterns, RESTful interfaces, and more. By the end of the book, you will be able to make impressive SPAs using ASP.NET Web API and Angular 2. This book focuses about blending/connecting together the two topic technologies: ASP.NET WebAPI and AngularJS. The book aims to be a guide to the readers throughout by building a fully-featured, potentially shippable SPA project with all its core aspects in place: readable URIs, OData retrieval, authentication patterns, RESTful interfaces and more.

Building a Web App with Blazor and ASP .Net Core - Jignesh Trivedi 2021-03-02

Learn how to create and deploy a SPA in C# with Blazor KEY FEATURES

- Get familiar with the basic and advanced concepts of the Blazor framework
- Understand how to implement JavaScript interop in Blazor
- Learn how to inject the service dependency in Blazor
- Learn how to implement security using Authentication and authorization
- Deploy and host your Blazor app on IIS and Azure

DESCRIPTION Blazor is a new, open-source, and SPA web framework that allows you to build a web application using C# and HTML. Blazor enables you to write C# code instead of JavaScript. This book is a comprehensive guide about the new modern Blazor framework. It begins with an introduction to the Blazor and its components and concepts. It explains how you can start the development process, what tools you can use to develop an application, and how you can deploy it. You will then learn more about Databind, Eventbinding, layout, routing, JavaScript interop, and Dependency Injection. Concepts such as Authentication and authorization, error handling are also covered. Towards the end, you will learn how to deploy your Single Page Application Using Blazor. WHAT YOU WILL LEARN ● Explore and use a various way to create a Blazor component ● Get familiar with the working of Data Binding, Event Binding, Layouts, Routing, and Validation ● Learn how to invoke JavaScript functions from .NET methods ● Preserving State in Server-Side Blazor applications ● Authentication and Authorization using Facebook API & Google API ● Host and Deploy your Blazo app on IIS and Azure WHO THIS BOOK IS FOR This book is for web developers who want to use Blazor to build web apps. This book will also help and guide web developers who are currently using Blazor. AUTHOR BIO Jignesh Trivedi is working as a software developer with a leading organization and having more than 14 years of experience. He is very passionate about Microsoft Technologies. He is an author, speaker, and Microsoft MVP. He loves building great products and POC (proof of concepts) using the best available technologies. He loves to share his knowledge by contributing to the Developer community.

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.