

Csharp .net Para Web

Brice-Arnaud GUÉRIN

Learning ASP.NET Core 2.0 Jason De Oliveira, Michel Bruchet, 2017-12-14 Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC

Beginning ASP.NET 4 Imar Spaanjaars, 2010-07-23 The definitive programming guide to ASP.NET, by popular author and Microsoft MVP Imar Spaanjaars Updated for ASP.NET 4, this introductory book retains its helpful examples and step-by-step format from the previous version and keeps the style of offering code examples written in both C# and Visual Basic. Beloved author and Microsoft ASP.NET MVP walks you through ASP.NET, Microsoft's technology for building dynamically generated Web pages from database content. You'll discover many improvements that ASP.NET 4 offers over the previous version, such as the ASP.NET MVC framework, Ajax improvements, jQuery support, and more. You'll gradually build a Web site example that takes you through the processes of building basic ASP.NET Web pages, adding features with pre-built server controls, designing consistent pages, displaying data, and more. Popular author and Microsoft ASP.NET MVP Imar Spaanjaars updates you on the latest updates to ASP.NET 4, Microsoft's technology for building dynamic Web pages from database content Shows you how the 4 version differs from ASP.NET 3.5 and reviews its new features, including the ASP.NET MVC framework, various Ajax improvements, jQuery support, and more Spaanjaars's distinct writing style puts you at ease with learning

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

Ragupathi, Valerio De Sanctis, James Singleton, 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.

ASP.NET Core MVC 2.0 Cookbook Jason De Oliveira, Engin Polat, Stephane Belkheraz, 2018-02-27 Learn to implement ASP.NET Core features to build effective software that can be scaled and maintained easily Key Features Practical solutions to recurring issues in the web development world Recipes on the latest features of ASP.NET Core 2.0 Coverage of Bootstrap, Angular, and JavaScript lets you supercharge your frontend Book Description The ASP.NET Core 2.0 Framework has been designed to meet all the needs of today's web developers. It provides better control, support for test-driven development, and cleaner code. Moreover, it's lightweight and allows you to run apps on Windows, OSX and Linux, making it the most popular web framework with modern day developers. This book takes a unique approach to web

development, using real-world examples to guide you through problems with ASP.NET Core 2.0 web applications. It covers Visual Studio 2017- and ASP.NET Core 2.0-specific changes and provides general MVC development recipes. It explores setting up .NET Core, Visual Studio 2017, Node.js modules, and NuGet. Next, it shows you how to work with Inversion of Control data pattern and caching. We explore everyday ASP.NET Core MVC 2.0 patterns and go beyond it into troubleshooting. Finally, we lead you through migrating, hosting, and deploying your code. By the end of the book, you'll not only have explored every aspect of ASP.NET Core MVC 2.0, you'll also have a reference you can keep coming back to whenever you need to get the job done. What you will learn Build ASP.Net Core 2.0 applications using HTTP services with WebApi Learn to unit-test, load test, and perform test applications using client-side and server-side frameworks Debug, monitor and troubleshoot ASP.Net Core 2.0 applications using popular tools Reuse components with NuGet and create modular components with middleware Create applications using client-side technologies such as HTML5, JavaScript, jQuery, and Angular Build responsive and dynamic UIs for your MVC apps using Bootstrap Leverage tools like Karma, Jasmine, QUnit, xUnit, Selenium, Microsoft Fakes, and Visual Studio 2017 Enterprise Who this book is for This book is written for the ASP.NET developer who wants to deliver professional-standard software, quickly and efficiently. It's filled with hands-on recipes, practical advice, and guidance to help developers with every aspect of the ASP.NET development cycle. Whether you've just started out or are a seasoned pro, the Asp.Net Core 2.0 Cookbook is written for you.

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.

Aprende a Programar ASP .NET y C# Ángel Arias,2015-08-11 ASP.NET es la plataforma de Microsoft para el desarrollo de aplicaciones Web y es el sucesor de la tecnología ASP. Es un componente del IIS que permite a través de un lenguaje de programación integrado en la .NET Framework para crear páginas dinámicas. No es ni un lenguaje de programación como VBScript, PHP, ni un servidor web como IIS o Apache. El ASP.NET está basado en el Framework .NET heredando todas sus características, por eso, como cualquier aplicación .NET, las aplicaciones para esa plataforma pueden ser escritas en varios lenguajes, como C# y Visual Basic .NET. Aunque se pueda desarrollar aplicaciones ASP.NET utilizando solamente un editor de texto y el compilador .NET, el entorno de desarrollo más común de las aplicaciones ASP.NET es el Visual Studio .NET ya que posee algunas características que facilitan el trabajo del desarrollador, como los componentes visuales para creación de formularios de páginas Web. Una aplicación para web desarrollada en ASP.NET puede reutilizar el código de cualquier otro proyecto escrito para la plataforma .NET, aunque tenga un lenguaje diferente. Una página ASP.NET escrita en VB.NET puede llamar a componentes escritos en C# o Web Services escritos en C++, por ejemplo. Al contrario de la tecnología ASP, las aplicaciones ASP.NET son compiladas antes de la ejecución, trayendo sensibilidad y ganando en rendimiento. Las aplicaciones Web ASP.NET necesitan el .NET Framework y el servidor IIS para ejecutar, por lo menos en la plataforma Windows. Existe también el proyecto mod_aspdotnet, que es un módulo que permite trabajar al servidor Apache HTTP Server en conjunto con el Framework .NET y a ejecutar aplicaciones ASP.NET en la plataforma Windows. El proyecto Mono es un esfuerzo para permitir que las aplicaciones ASP.NET puedan ejecutarse en otras plataformas, como el Linux. La plataforma .NET se basa en uno de los principios utilizados en la tecnología Java (Just In Time Compiler - JIT), los programas desarrollados para esta son doble-compilados (compilados dos veces), una vez en la distribución (generando un código que es conocido como bytecodes) y otra en ejecución. Los programas pueden ser escritos en cualquiera de los más de treinta y tres lenguajes de programación disponibles para la plataforma, el código fuente generado por el desarrollador es compilado por el lenguaje escogido generando un código intermediario en un lenguaje llamado MSIL (Microsoft Intermediate Language).

Learning ASP.NET Core 3.0 -Second Edition Kenneth Yamikani Fukizi,Jason de Oliveira,Michel Bruchet,2019-12-27 A beginner's guide to building fully functioning web applications from scratch using the latest features of ASP.NET Core 3 and C# 8 Key Features Get to grips with the new features and APIs in ASP.NET Core 3, EF Core 3, and Blazor Create web APIs that integrate your applications with other systems and services Learn to deploy your web applications in new environments such as the cloud and Docker containers Book Description ASP.NET Core is an open source framework from Microsoft that makes it easy to build highly efficient and dynamic cross-platform web applications. Updated for the latest features of ASP.NET Core 3, this second edition will equip you with the skills you need to build powerful web applications. The book starts with an introduction to ASP.NET Core and its features, giving you a complete understanding of the framework. You will also learn how to set up your development environment with Visual Studio 2019 and build a fully functioning application from scratch. You'll then understand core concepts for building web applications such as Model View Controller (MVC), dependency injection, and

WebSockets. As you advance, you'll discover how to use Entity Framework Core 3 to automate all database-related activities for your application. You will then build and document secure web APIs using security best practices to protect your web applications from threats and vulnerabilities. Finally, you will learn how to use Azure DevOps as a CI/CD tool to deploy and monitor your applications using Microsoft Azure, Amazon Web Services (AWS), and Docker. By the end of this book, you'll have the skills you need to develop efficient and robust web applications in ASP.NET Core 3. What you will learn

- Delve into basic and advanced ASP.NET Core 3 concepts with the help of examples
- Build an MVC web application and use Entity Framework Core 3 to access data
- Add web APIs to your web applications using RPC, REST, and HATEOAS
- Create a fully automated continuous integration and continuous delivery (CI/CD) pipeline using Azure DevOps
- Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications
- Secure your web application from common attacks such as Cross-Site Scripting and SQL injection
- Explore client-side development using C# Razor components

Who this book is for This book is for developers who want to build modern web applications with ASP.NET Core. The book will also be helpful for anyone working in infrastructure engineering and operations to monitor and diagnose problems during the runtime of ASP.NET Core 3.0 web applications. Although no prior understanding of ASP.NET or .NET Core is required, basic C# programming knowledge is assumed.

Murach's ASP.NET Core MVC (2nd Edition) Joel Murach, Mary Delamater, 2022-11-21 This 2nd Edition of Murach's ASP.NET Core MVC does a better job than ever of delivering the skills you need to develop websites using the MVC (Model-View-Controller) pattern with ASP.NET Core. If you know the basics of C#, you'll quickly learn to code the way today's top web professionals do. Each section features clear, beginner-friendly examples and easy-to-understand explanations that walk you through crucial skills, best practices, and helpful tips. I'm a first-time customer who has recently purchased your ASP.NET Core MVC book, and I have to say I'm greatly impressed. [It] was actually fun from start to finish (and I've read many, many programming books before). - Shannon Fairchild, Senior Software Developer, Kingston, Ontario, Canada

Section 1 (just 5 chapters) shows how to develop responsive web apps that follow the MVC pattern so they'll be easy to maintain as they grow and change. Then, it shows how to test and debug these apps using the debugging tools provided by Visual Studio and your browser. Section 2 builds out that set of skills to create more complex controllers, work with Razor views, handle cookies and sessions, work with model binding, validate data, and use EF Core to work with databases. Finally, section 3 presents additional skills that you can learn when you need them. Automate testing by using dependency injection and unit tests. Reduce code duplication by creating custom tag helpers and view components. Control user access to a site with ASP.NET Core Identity. Deploy a site to the cloud with Azure. And use Visual Studio Code, an increasingly popular alternative to the Visual Studio IDE. Every Murach book guarantees high quality. The complete apps show how each feature works in context. The exercises at the end of each chapter let you practice your new skills and gain valuable hands-on experience. And the distinctive paired-pages format is ideal for learning and reference.

C# 8.0 and .NET Core 3.0 – Modern Cross-Platform Development Mark J. Price, 2019-10-31 Publisher's Note: Microsoft stops supporting .NET Core 3.1 in December 2022. The newer 7th edition of this book is available that covers .NET 7 (end-of-life May 2024) or .NET 6 (end-of-life November 2024), with C# 11 and EF Core 7. Key Features

- Build modern, cross-platform applications with .NET Core 3.0
- Get up to speed with C#, and up to date with all the latest features of C# 8.0
- Start creating professional web applications with ASP.NET Core 3.0

Book Description In *C# 8.0 and .NET Core 3.0 – Modern Cross-Platform Development*, Fourth Edition, expert teacher Mark J. Price gives you everything you need to start programming C#

applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with new chapters on Content Management Systems (CMS) and machine learning with ML.NET. The book covers all the topics you need. Part 1 teaches the fundamentals of C#, including object-oriented programming, and new C# 8.0 features such as nullable reference types, simplified switch pattern matching, and default interface methods. Part 2 covers the .NET Standard APIs, such as managing and querying data, monitoring and improving performance, working with the filesystem, async streams, serialization, and encryption. Part 3 provides examples of cross-platform applications you can build and deploy, such as web apps using ASP.NET Core or mobile apps using Xamarin.Forms. The book introduces three technologies for building Windows desktop applications including Windows Forms, Windows Presentation Foundation (WPF), and Universal Windows Platform (UWP) apps, as well as web applications, web services, and mobile apps. What you will learn Build cross-platform applications for Windows, macOS, Linux, iOS, and Android Explore application development with C# 8.0 and .NET Core 3.0 Explore ASP.NET Core 3.0 and create professional web applications Learn object-oriented programming and C# multitasking Query and manipulate data using LINQ Use Entity Framework Core and work with relational databases Discover Windows app development using the Universal Windows Platform and XAML Build mobile applications for iOS and Android using Xamarin.Forms Who this book is for Readers with some prior programming experience or with a science, technology, engineering, or mathematics (STEM) background, who want to gain a solid foundation with C# 8.0 and .NET Core 3.0.

C# 9 and .NET 5 – Modern Cross-Platform Development Mark J. Price, 2020-11-10 Publisher's Note: Microsoft stopped supporting .NET 5 in May 2022. The newer 8th edition of the book is available that covers .NET 8 (end-of-life November 2026) with C# 12 and EF Core 8. Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor Strengthen your command of ASP.NET Core 5.0 and create professional websites and services Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description In C# 9 and .NET 5 – Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file system, async streams, serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C# language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn Build your own types with object-oriented programming Query and manipulate data using LINQ Build websites and services using ASP.NET Core 5 Create intelligent apps using machine learning Use Entity Framework Core and work with relational

databases Discover Windows app development using the Universal Windows Platform and XAML Build rich web experiences using the Blazor framework Build mobile applications for iOS and Android using Xamarin.Forms Who this book is for This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book.

ASP.NET en C# con Visual Studio 2013 Brice-Arnaud Guérin, 2014 Este libro está dirigido a los desarrolladores, arquitectos y administradores que deseen adoptar un enfoque profesional en la realización de aplicaciones Web sacando el máximo provecho de ASP.NET (versión 4.5.1 en el momento de escribir estas líneas). Acompaña al lector en un estudio completo de la tecnología ASP.NET y de Visual Studio 2013. Cada tema se aborda con ejemplos prácticos y útiles, que se proveen en C#. El lector comenzará con Visual Studio y sus herramientas (depuración, refactoring, pruebas unitarias, pruebas de interfaz gráfica,...) y la evolución del lenguaje C#. El segundo capítulo describe el funcionamiento de las aplicaciones IIS y explica cómo realizar módulos específicos para el servidor Web. La obra estudia con profundidad los Web forms, AJAX, JQuery, y proporciona componentes personalizados para crear gráficos. Los sitios MVC y sus desarrollos SPA y Web API se presentan con ejemplos prácticos. Los siguientes capítulos elaboran soluciones que aportan rapidez al desarrollo y mejor rendimiento en el acceso a las bases de datos ADO.NET, especialmente con los nuevos componentes basados en LINQ y entity framework y los estados Reporting Services. A continuación, se describe la securización unificada de los sitios Web (con Google) y la personalización de la navegación (Web Part y servicios Web WCF, REST). El último capítulo describe la puesta en producción con ASP.NET y la infraestructura de supervisión Health Monitoring. Los ejemplos de código del libro pueden descargarse del sitio web www.ediciones-eni.com. Los capítulos del libro: Prólogo - Visual Studio 2013 y .NET 4.5.1 - Los sitios web ASP.NET 4.5.1 - Los Web Forms - Los sitios web MVC - El acceso a datos con ADO.NET 4.5.1 - Gestión del estado - Personalización y securización - Los servicios Web WCF y REST - Configuración, despliegue y administración -- ENI Ediciones.

ASP.NET Core 8 and Angular Valerio De Sanctis, 2024-02-28 Build robust, scalable web applications using ASP.NET Core 8, Angular, and Entity Framework Core Purchase of the print or Kindle book includes a free PDF eBook Key Features Combine ASP.NET Core and Angular to build highly versatile web applications Create 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 deployment Book Description If you want to learn how to use ASP.NET Core with Angular effectively, this hands-on guide is for you. Improve the way you create, debug, and deploy web applications while keeping up to date with the latest developments in .NET 8 and modern Angular, including .NET Minimal APIs and the new Angular standalone API defaults. You'll begin by setting up SQL Server 2022 and building a data model with Entity Framework Core. You'll progress to fetching and displaying data, handling user input with Angular reactive forms, and implementing front-end and back-end validators for maximum effect. After that, you will perform advanced debugging and explore unit testing features with xUnit for .NET, and Jasmine and Karma for Angular. You'll use Identity API endpoints in ASP.NET Core and functional route guards in Angular to add authentication and authorization to your apps. Finally, you'll learn how to deploy to Windows, Linux, and Azure. By the end of this 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 learn Explore the new Angular and ASP.NET Core template with Visual

Studio 2022 Use modern interfaces and patterns such as the HTML5 pushState API, webhooks, and UI data bindings Add real-time capabilities to Angular apps with SignalR and gRPC Implement authentication and authorization using JWTs Perform DBMS structured logging using providers such as SeriLog Convert a standard web application to a progressive web application (PWA) Deploy an Angular app to Azure Static Web Apps Add GraphQL support to back-end and front-end using HotChocolate and Apollo Angular Who this book is for This book is for developers who have some familiarity with ASP.NET Core and Angular and want to learn how to use them effectively together.

Hands-On Full-Stack Web Development with ASP.NET Core Tamir Dresher, Amir Zuker, Shay Friedman, 2018-10-31 Become a full-stack developer by learning popular Microsoft technologies and platforms such as .NET Core, ASP.NET Core, Entity Framework, and Azure Key Features Bring static typing to web development with features compatible in TypeScript 3 Implement a slim marketplace single page application (SPA) in Angular, React, and Vue Modernize your web apps with Microsoft Azure, Visual Studio, and Git Book Description Today, full-stack development is the name of the game. Developers who can build complete solutions, including both backend and frontend products, are in great demand in the industry, hence being able to do so a desirable skill. However, embarking on the path to becoming a modern full-stack developer can be overwhelmingly difficult, so the key purpose of this book is to simplify and ease the process. This comprehensive guide will take you through the journey of becoming a full-stack developer in the realm of the web and .NET. It begins by implementing data-oriented RESTful APIs, leveraging ASP.NET Core and Entity Framework. Afterward, it describes the web development field, including its history and future horizons. Then, you'll build webbased Single-Page Applications (SPAs) by learning about numerous popular technologies, namely TypeScript, Angular, React, and Vue. After that, you'll learn about additional related concerns involving deployment, hosting, and monitoring by leveraging the cloud; specifically, Azure. By the end of this book, you'll be able to build, deploy, and monitor cloud-based, data-oriented, RESTful APIs, as well as modern web apps, using the most popular frameworks and technologies. What you will learn Build RESTful APIs in C# with ASP.NET Core, web APIs, and Entity Framework See the history and future horizons of the web development field Bring static-typing to web apps using TypeScript Build web applications using Angular, React, and Vue Deploy your application to the cloud Write web applications that scale, can adapt to changes, and are easy to maintain Discover best practices and real-world tips and tricks Secure your backend server with Authentication and Authorization using OAuth 2.0 Who this book is for This book is for developers who are keen on strengthening their skills in the field of cloud-based full-stack web development. You need basic knowledge of web-related pillars, including HTML, CSS, and JavaScript, as well as C# and REST. This book targets novice developers in the realm of Web development and ASP.NET who desire to advance to modern Web and ASP.NET Core development and leverage the Cloud to manage and bring everything together.

C# 10 and .NET 6 – Modern Cross-Platform Development Mark J. Price, 2021-11-09 Publisher's Note: Microsoft will stop supporting .NET 6 from November 2024. The newer 8th edition of the book is available that covers .NET 8 (end-of-life November 2026) with C# 12 and EF Core 8. Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore the newest additions to C# 10, the .NET 6 class library, and Entity Framework Core 6 Create professional websites and services with ASP.NET Core 6 and Blazor Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description Extensively revised to accommodate all the latest features that come with C# 10 and .NET 6, this latest edition of our comprehensive guide will get you coding in C# with confidence. You'll learn object-oriented programming, writing, testing, and debugging functions, implementing interfaces, and

inheriting classes. The book covers the .NET APIs for performing tasks like managing and querying data, monitoring and improving performance, and working with the filesystem, async streams, and serialization. You'll build and deploy cross-platform apps, such as websites and services using ASP.NET Core. Instead of distracting you with unnecessary application code, the first twelve chapters will teach you about C# language constructs and many of the .NET libraries through simple console applications. In later chapters, having mastered the basics, you'll then build practical applications and services using ASP.NET Core, the Model-View-Controller (MVC) pattern, and Blazor. What you will learn Build rich web experiences using Blazor, Razor Pages, the Model-View-Controller (MVC) pattern, and other features of ASP.NET Core Build your own types with object-oriented programming Write, test, and debug functions Query and manipulate data using LINQ Integrate and update databases in your apps using Entity Framework Core, Microsoft SQL Server, and SQLite Build and consume powerful services using the latest technologies, including gRPC and GraphQL Build cross-platform apps using XAML Who this book is for Designed for both beginners and C# and .NET programmers who have worked with C# in the past and want to catch up with the changes made in the past few years, this book doesn't need you to have any C# or .NET experience. However, you should have a general understanding of programming before you jump in.

ASP.NET en C# con Visual Studio 2015 Brice-Arnaud GUÉRIN, 2016-07-01 Este libro está dirigido a los desarrolladores, arquitectos y administradores que deseen adoptar un enfoque profesional en la realización de aplicaciones Web sacando el máximo provecho de ASP.NET 4.5.2. Acompaña al lector en un estudio completo de la tecnología ASP.NET y de Visual Studio 2015. Cada tema se aborda con ejemplos prácticos y útiles, que se proveen en C#. El lector comenzará con Visual Studio y sus herramientas (depuración, refactoring, pruebas unitarias, pruebas de interfaz gráfica,...) y la evolución del lenguaje C#. El segundo capítulo describe el funcionamiento de las aplicaciones IIS y explica cómo realizar módulos específicos para el servidor Web. El libro estudia con profundidad los Web Forms, AJAX, jQuery, y proporciona componentes personalizados para crear gráficos. Los sitios MVC y sus desarrollos SPA y Web API se presentan con ejemplos prácticos, así como su securización. Los siguientes capítulos elaboran soluciones que aportan rapidez al desarrollo y un mejor rendimiento en el acceso a las bases de datos ADO.NET, especialmente con los nuevos componentes basados en LINQ y Entity Framework y los estados Reporting Services. A continuación, se describe la securización unificada de los sitios Web OWIN (con Google) y la personalización de la navegación (Web Parts y servicios Web WCF, REST). El último capítulo describe la puesta en producción con ASP.NET y la infraestructura de supervisión Health Monitoring así como el desarrollo de aplicaciones Web en la plataforma Cloud Microsoft Azure. Los ejemplos de código del libro pueden descargarse del sitio web www.ediciones-eni.com. Los capítulos del libro: Prólogo – Visual Studio 2015 y .NET 4.5.2 – Los sitios web ASP.NET 4.5.2 – Los Web Forms – Los sitios web MVC – El acceso a datos con ADO.NET 4.5.2 – Gestión del estado – Personalización y securización – Los servicios web WCF y REST – Configuración, despliegue y administración

C# 10 and .NET 6 - Modern Cross-Platform Development - Sixth Edition Mark J. Price, 2021-11-09 A comprehensive guide for beginners to learn the key concepts, real-world applications, and latest features of C# 10 and .NET 6 with hands-on exercises using Visual Studio 2022 and Visual Studio Code Key Features: Explore the newest additions to C# 10, the .NET 6 class library, and Entity Framework Core 6 Create professional websites and services with ASP.NET Core 6 and Blazor Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description: This latest edition is extensively revised to accommodate all the latest features that come with C# 10 and .NET 6. You will learn object-oriented programming, writing, testing, and debugging functions, implementing interfaces, and inheriting classes.

The book covers the .NET APIs for performing tasks like managing and querying data, monitoring and improving performance, and working with the filesystem, async streams, serialization, and encryption. It provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core. The best application for learning the C# language constructs and many of the .NET libraries does not distract with unnecessary application code. Hence, the C# and .NET topics covered in Chapters 1 to 12 feature console applications. In Chapters 13 to 17, having mastered the basics, you will build practical applications and services using ASP.NET Core, the Model-View-Controller (MVC) pattern, and Blazor. There are also two new online chapters on using .NET MAUI to build cross-platform apps and building services using a variety of technologies, including Web API, OData, gRPC, GraphQL, SignalR, and Azure Functions.

What You Will Learn: Build rich web experiences using Blazor, Razor Pages, the Model-View-Controller (MVC) pattern, and other features of ASP.NET Core
 Build your own types with object-oriented programming
 Write, test, and debug functions
 Query and manipulate data using LINQ
 Integrate and update databases in your apps using Entity Framework Core, Microsoft SQL Server, and SQLite
 Build and consume powerful services using all the latest technologies, including gRPC and GraphQL
 Build cross-platform apps using .NET MAUI and XAML

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

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 confidence.

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 Features The most up-to-date book that covers cutting-edge features released in ASP.NET Core 6 and Angular 13
 Create 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 deployment

Book 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 learn

Use the new Visual Studio Standalone TypeScript Angular template

Implement and consume a Web API interface with ASP.NET Core

Set up an SQL database server using a local instance or a cloud datastore

Perform C# and TypeScript debugging using Visual Studio 2022

Create TDD and BDD unit tests using xUnit, Jasmine, and Karma

Perform DBMS structured logging using providers such as SeriLog

Deploy web apps to Azure App Service using IIS, Kestrel, and NGINX

Learn to develop fast and flexible Web APIs using GraphQL

Add real-time capabilities to Angular apps with ASP.NET Core SignalR

Who 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.

Microsoft C#. Lenguaje y Aplicaciones. 2ª Edición. Fco. Javier Ceballos Sierra, C# evolucionó a partir del lenguaje C/C++ incorporando numerosas instrucciones, funciones y palabras clave directamente relacionadas con la interfaz gráfica de Windows. Actualmente ofrece capacidades para realizar un diseño completamente orientado a objetos y acceso directo a Microsoft .NET Framework, entorno que proporciona un amplio conjunto de interfaces de programación de aplicaciones para Windows e Internet. Desde la aparición de Visual Studio .NET, entorno de desarrollo que incluye a Visual C#, dicho paquete ha sido revisado y ampliamente modificado, con el único objetivo de ofrecer una herramienta flexible para los desarrolladores de aplicaciones de línea de negocios que crean aplicaciones Windows, Web o móviles. Así, hemos oído hablar de Visual Studio 2002, 2003 y de Visual Studio 2005 y .NET Framework 2.0. Así mismo, Visual Studio 2005 ofrece a los desarrolladores Web un ambiente altamente productivo para la rápida creación e implementación de sitios y servicios Web que pueden, opcionalmente, estar basados en AJAX. Al mismo tiempo, Microsoft ha publicado una gama de productos denominada 2005 Express, que estará enfocada a programadores no profesionales. Estos entornos de desarrollo serán versiones recortadas de Visual Basic, Visual C#, Visual C++, Visual J# y SQL Server enfocadas a principiantes, además de un nuevo producto llamado Visual Web Developer para el desarrollo de aplicaciones Web. Los desarrolladores profesionales podrán elegir también entre las versiones estándar o profesional de Visual Studio 2005, o bien herramientas más amplias como las versiones de Visual Studio 2005 Team para arquitectos, desarrolladores o probadores, que además de incluir Visual Studio 2005 profesional, incluyen también herramientas de software de ciclo de vida. Tanto Visual Studio 2005 como Visual Web Developer 2005 Express pueden ser complementados con ASP.NET AJAX para el desarrollo de aplicaciones Web basadas en AJAX. Enciclopedia de Microsoft Visual C# es un libro totalmente actualizado con las nuevas características de Microsoft Visual C# 2005, para aprender a programar escribiendo línea a línea el código de una determinada aplicación, o bien utilizando herramientas de diseño rápido como Microsoft Visual Studio 2005 (o en su defecto Visual C# 2005 Express, Visual Web Developer 2005 Express y SQL Server 2005 Express) que le permitirá crear aplicaciones cliente Windows tradicionales, componentes distribuidos, aplicaciones cliente servidor, aplicaciones para acceso a bases de datos (ADO.NET), aplicaciones para interactuar con Office, páginas Web y servicios Web XML (ASP.NET), aplicaciones para Internet basadas o no en AJAX, aplicaciones para móviles, y muchas otras.

Incluye un CD-ROM con todos los ejemplos realizados y con el software necesario para que el lector pueda reproducirlos durante el estudio.

Programming Entity Framework Julia Lerman, Rowan Miller, 2011-11-25 Annotation Code first is an additional means of building a model to be used with the Entity Framework and is creating a lot of excitement in the .NET development community. The reader will begin with an overview of what code first is, why it was created, how it fits into the Entity Framework and when to use it over the alternatives.

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web terms in this set 11 a line on a map or chart along which there is a constant value isotherm a line on a map connecting points having the same temperature at a given time on average of a given period isobar a line on a map connecting points having the same atmospheric pressure at a given time on average of a given period

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web be interpreted as temperature therefore

isotherm means same temperature isotherms drawn on temperature maps connect equal temperatures here are some helpful hints 1 isobars are drawn in 4 millibar intervals 2 always label the isobar value 3 pressures lower than the isobar value are always on one side of the isobar and higher

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