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Building Web Applications With Visual Studio 2017: Using .NET Core And Modern JavaScript Frameworks



Synopsis

Learn how to build web applications from three Microsoft MVPs. After building the data application layer using Entity Framework Core and a RESTful service using ASP.NET Core, you will then build the client side web application three ways: first, using ASP.NET Core, then using Angular 2, and, finally, using React. You will be able to compare and contrast these UI frameworks and select the best one for your needs. .NET Core is a complete rewrite of the popular .NET and its related frameworks. While many concepts are similar between .NET Core and the .NET 4.6 framework, there are revolutionary changes as well, including updates to Entity Framework Core and ASP.NET Core. The first section of this book covers the three main parts of building applications with C#: Entity Framework, ASP.NET Core Services, and ASP.NET Core Web Applications. There is also an explosion in popularity of JavaScript frameworks for client side development, and the authors cover two of the most popular UI frameworks. Start with TypeScript for developing clean JavaScript, along with a client side build tool such as Gulp, Grunt, and WebPack. Using the same data access layer and RESTful service from the .NET Core application, you can rebuild the UI using Angular 2. Then, repeat the process using React, for a true comparison of building client side applications using ASP.NET Core, Angular 2, and React. What You'll Learn Understand the fundamentals of .NET Core and what that means to the traditional .NET developer Build a data access layer with Entity Framework Core, a RESTful service with ASP.NET Core MVC, and a website with ASP.NET Core MVC and Bootstrap Automate many build tasks with client side build utilities Who This Book Is For Intermediate to advanced .NET developers

Book Information

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An international speaker, Microsoft MVP, ASPInsider, MCSD, CSM, and CSP, and a passionate member of the developer community, Phil Japikse has been working with .NET since the first betas, developing software for over 30 years, and heavily involved in the agile community since 2005. Phil is co-author of best selling "C# and the .NET 4.6 Framework", the Lead Director for the Cincinnati .NET User Group and the Cincinnati Software Architect Group, co-hosts the Hallway Conversations podcast, founded the Cincinnati Day of Agile, and volunteers for the National Ski Patrol. Phil is also a published author with LinkedIn Learning. During the day, Phil works as an Enterprise Consultant and Agile Coach for large to medium firms throughout the US. Phil enjoys to learn new tech and is always striving to improve his craft. You can follow Phil on his blog, or on Twitter @skimedic. Kevin Grossnicklaus At one point in his career Kevin was the youngster on most

development teams. He got his start developing with Visual Studio and managed .NET code during the early beta cycles in 2001. In 2009, Kevin started his own software product development firm called ArchitectNow (www.architectnow.net). At ArchitectNow, Kevin and his team specialize in a wide variety of tools while delivering applications across a variety of cloud and mobile platforms. Born in rural Nebraska, Kevin has spent the last 20 years in St. Louis, Missouri where he lives with his wife Lynda and their three daughters: Alexis, Emily, and Hanna. He is an avid guitar player, fly fisherman, home brewer, and gamer (including everything from retro arcade games, to board games, to role playing games). When not spending time on any of those hobbies he waits patiently for a second season of Firefly. Ben Dewey is a former Microsoft MVP, and published author with over 18 years of experience writing applications and continually striving to create SOLID applications of the highest craftsmanship while paying special attention to clean User Experiences (UX). Ben is currently Creative Director at Tallan, Inc. and consults regularly in New York City and around the country on web- and cloud-based technologies. He has also worked to deploy numerous high-quality, engaging apps to the Windows Store. When he's not consulting, Ben is busy training, mentoring, blogging, and speaking at various conferences and community events around the country. Outside of work, Ben spends most of his time playing with his three young kids, working around the house, or, if it's windy, kite surfing. You can find Ben online on Twitter (@bendewey), StackOverflow, GitHub, or on his blog at <http://bendewey.com/>.

This is a good book overall, especially if you work in on the ASP.NET platform. I purchased the book to learn about and compare the popular JavaScript MVC frameworks for single page applications on the ASP.NET Core MVC platform. My only gripe is that Aurelia is also mentioned multiple times throughout the book, and that's it... It's given only a mention. Reading the introduction, you might think Aurelia is given equal consideration and examination as the other JavaScript frameworks, but it is not. "The second goal is to cover three different JavaScript frameworks (Angular2, Aurelia, and React) as well as client-side build tools and TypeScript" --4th paragraph of the Introduction. The book does not contain an equivalent detailed example of the SpyStore app using Aurelia. Detail examples are provided for Angular2, React, and vanilla ASP.NET MVC. If the Aurelia chapter was pulled at the last minute, it would be nice for the authors or publisher to provide it as a downloadable chapter. With that being said, I still recommend this book if you are looking to learn React and/or Angular2 on the ASP.NET Core platform.

This book was very thorough and covered a lot more material than I initially expected. Also the book slipped in a bit of humor which was really refreshing since sometimes coding texts can get a bit dry. From the title I was expecting snippets of incomplete code and descriptions of how things could be done, but what was delivered was complete code and directions for building a complete viable solution. Furthermore the solution was given a few variations on the front end, which was very beneficial for learning. The spy store app that I built using the book is pretty cool and it will definitely work as a starting point for my projects going forward. Well done and would highly recommend.

This book is supremely helpful to anyone looking to delve into Visual Studio 2017. Easy to follow and written with the experienced programmer in mind, the book provides in depth knowledge of both old and new features of Visual Studio. The book is structured around the development of an application which makes the lessons easily translatable to any application the reader might want to build. It covers the breadth of the entire application from the creation of the database, to the development of the actual front-end application and everything in between. I would highly recommend this book for anyone seeking to get familiar with Visual Studio, or .NET in general.

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