

## Building Web Applications With Visual Studio 2017

The 2008 version of Visual Basic is tremendously enhanced and introduces dramatic new concepts, techniques, and features to this popular object-oriented language. Written by an elite author team, this comprehensive resource provides a clear and concise approach to using VB 2008 in the ever-expanding .NET world. This book focuses on using the latest and most powerful tools from the Microsoft arsenal within your Visual Basic solutions. You'll examine everything from the .NET Framework to the best practices for deploying .NET applications to database access and integrating with other technologies.

With the release of Visual Studio 6.0 Enterprise Edition, Microsoft has introduced the ultimate Web development system. Since the program contains no written documentation, developers can refer to this book for solutions and suggestions on how to make the most of its robust features. Ready-to-use applications are available on the companion Website for downloading, saving developers hundreds of hours programming from scratch.

Visual Basic .NET has changed dramatically from its predecessor, and this book shows developers how to build traditional console applications, ASP.NET applications, XML Web Services, and more. The top-notch author team shares their years of experience in VB programming and helps readers take their skills to new heights. Addresses issues such as security, data access (ADO.NET), and the latest Visual Studio .NET IDE. Explores Common Language Runtime, variables and data types, object syntax, inheritance and interfaces, Windows forms, error handling and debugging, XML, namespaces, and advanced features of the latest version of ASP.NET.

**C# 7.1 and .NET Core 2.0 – Modern Cross-Platform Development, Third Edition** is a practical guide to creating powerful cross-platform applications with C# 7 and .NET Core 2.0. About This Book Build modern, cross-platform applications with .NET Core 2.0 Get up to speed with C#, and up to date with all the latest features of C# 7.1 Start creating professional web applications with ASP.NET Core 2.0 Who This Book Is For This book is targeted towards readers who have some prior programming experience or have a science, technology, engineering, or mathematics (STEM) background, and want to gain a solid foundation with C# and to be introduced to the types of applications they could build and will work cross-platform on Windows, Linux, and macOS. What You Will Learn Build cross-platform applications using C# 7.1 and .NET Core 2.0 Explore ASP.NET Core 2.0 and learn how to create professional websites, services, and applications Improve your application's performance using multitasking Use Entity Framework Core and LINQ to query and manipulate data Master object-oriented programming with C# to increase code reuse and efficiency Familiarize yourself with cross-device app development using the Universal Windows Platform Protect and manage your files and data with encryption, streams, and serialization Get started with mobile app development using Xamarin.Forms Preview the nullable reference type feature of C# 8 In Detail C# 7.1 and .NET Core 2.0 – Modern Cross-Platform Development, Third Edition, is a practical guide to creating powerful cross-platform applications with C# 7.1 and .NET Core 2.0. It gives readers of any experience level a solid foundation in C# and .NET. The first part of the book runs you through the basics of C#, as well as debugging functions and object-oriented programming, before taking a quick tour through the latest features of C# 7.1 such as default literals, tuples, inferred tuple names, pattern matching, out variables, and more. After quickly taking you through C# and how .NET works, this book dives into the .NET Standard 2.0 class libraries, covering topics such as packaging and deploying your own libraries, and using common libraries for working with collections, performance, monitoring, serialization, files, databases, and encryption. The final section of the book demonstrates the major types of application that you can build and deploy cross-device and cross-platform. In this section, you'll learn about websites, web applications, web services, Universal Windows Platform (UWP) apps, and mobile apps. By the end of the book, you'll be armed with all the knowledge you need to build modern, cross-platform applications using C# and .NET. Style and approach This book takes a step-by-step approach and is filled with exciting projects and fascinating theory. It uses three high-impact sections to equip you with all the tools you'll need to build modern, cross-platform applications using C# and .NET Core 2.0.

In recent years, creating dynamic, server-side web applications has become the most vital part of web development. Now, thanks to ASP.NET and Visual C#, you can build cleaner, more powerful web applications, and you can do it more quickly than ever before. **Mastering ASP.NET with C#** is an essential guide to harnessing the power of the .NET Framework to develop and consume Web Services of all kinds. This book is packed with the skills you need to get started creating ASP.NET applications, including using Web Forms, connecting to databases with ADO.NET, and working with XML. Coverage Includes: \* Using the ASP.NET intrinsic objects \* Employing the ASP.NET Server controls \* Using HTML controls \* Saving state data with cookies \* Uploading files \* Sending email \* Retrieving and displaying data from databases \* Building User and Composite controls \* Building custom controls \* Managing multiple ASP.NET configuration files \* Building a custom configuration section handler \* Creating Web Services \* Consuming Web Services from Web Forms, Windows Forms, and COM applications Microsoft's introduction of its XML Web platform, .NET Framework, and its C# programming language signal Microsoft's total entry into e-commerce, fundamentally changing the way businesses and people interact over the Internet. **Building Web Applications with C# and .NET: A Complete Reference** is a comprehensive resource with a sharp focus on how to develop and deploy distributed applications using Microsoft's .NET Framework and C#. Written for C++, Visual Basic, Java, and ASP programmers making the transition to .NET, the text begins by providing the fundamentals of network programming and then expands these basics to demonstrate how to use the concepts and capabilities of .NET for developing distributed applications. Heavily referenced with many exercises, the text provides a clear, detailed exposition on the essential elements of the .NET Framework requisite to distributed programming. Coverage of ASP, C#, ADO Database Access, HTML, XM, WSDL and SOAP, and Web Services make this text the ultimate reference on the .Net Framework. Numerous examples illustrate the concepts and techniques discussed and the hands-on exercises demonstrate the visual studio development environment. **Building Web Applications with C# and .NET: A Complete Reference** includes a tutorial on the C# programming language and provides you with the skills and tools that you will need to develop and deploy distributed applications.

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.

SharePoint is central to the Microsoft Office and developer platform, and at seventy-five million licenses sold, is the fastest growing server product at Microsoft. This book is an anthology of the best thinking on critical SharePoint 2007 topics by a dozen SharePoint MVPs, the best and the most recognized experts in the field. Topics covered include but are not limited to branding, business data connector, classified networks, forms-based authentication, InfoPath and SharePoint, installation, and zones and alternate access mapping.

Build web applications in C# and Microsoft .NET that run in any modern browser. This second edition is updated to work with the release version of Blazor and covers Blazor's use in creating both server-side and WebAssembly Blazor applications. Developers are able to use all their experience in .NET along with thousands of existing libraries, right in the browser. There is important new coverage in this edition on the new and improved Razor syntax, how to easily validate user input with Blazor validation, and how to build complex interacting components with Cascading Properties and Templated Components. You will learn how to build user interfaces and present data to a user for display and modification, capturing the user's changes via data binding. The book shows you how to access a rich library of .NET functionality such as a component model for building a composable user interface, including how to develop reusable components that can be used across many pages and websites. Also covered is data exchange with a server, giving you access to microservices and database services. Blazor provides a fresh take on web development by eliminating the need for you to learn different languages and frameworks for client- and server-side development. Blazor allows C# and .NET to be used on all sides, providing a robust feature set that is well suited toward scalable, enterprise-level applications. This book gets you started using this important new toolkit for web application development. What You Will Learn

- Build user interfaces and display data for users to edit
- Capture the user's changes via data binding
- Transfer data back and forth between server and client
- Communicate with microservices and database services
- Develop reusable components and assemble them into bigger components
- Use routing to build single-page applications (SPAs)
- Build Blazor libraries that are reusable across applications

Who This Book Is For Experienced .NET developers who want to apply their existing skills toward building professional-quality, client-side web applications that run in any browser. The book is for web developers who want to step away from JavaScript and its complexities, and instead use a proven technology (.NET) that is robust toward creating enterprise-quality applications that scale and are reliable, that provide good user experience.

Conallen introduces architects and designers and client/server systems to issues and techniques of developing software for the Web. He expects readers to be familiar with object-oriented principles and concepts, particularly with UML (unified modeling language), and at least one Web application architecture or environment. The second edition incorporates both technical developments and his experience since 1999. He does not provide a bibliography. Annotation copyrighted by Book News, Inc., Portland, OR

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This book is a step-by-step guide to learn angular programming to develop dynamic mobile and web applications. This book follows a practical approach to teach angular. Many sample program codes, how to do screen shots and outputs are included in this book. After reading this book, you can work out the example programs using NodeJS, Angular CLI and Visual Studio Code. Angular is the most popular TypeScript based framework used to develop mobile and desktop web applications. It is developed by Google. It is an open-source full-stack web application framework. TypeScript is based on JavaScript. The applications developed in Angular are called as Single Page Applications (SPAs). It is used for client-side (front end). It is written in TypeScript and compiled into JavaScript. It is used to create dynamic web applications. A dynamic web application is a dynamic website like Facebook and Gmail. It can change information with respect to following 3 parameters.

1. Time-to-time (eg. news update webs applications)
2. Location-to-location (eg. Weather-report web applications)
3. User-to-user (eg. Facebook, Gmail type applications)

It is used to create reactive Single Page Applications (SPAs). Angular is completely based on components. It consists of several components which forms a tree structure with parent and child components. A single page application (SPA) is a website which provides a very fluid, reactive and fast experience to the users. It contains menu, buttons and blocks on a single page and when a user clicks on any of them, it dynamically rewrites the current page rather than loading entire new pages from a server. So, it has fast speed in response. TypeScript language provides Class-based Object Oriented Programming, Static Typing, Generics etc. which are the features of a server-side programming language. Angular supports dynamic loading of the page. Angular framework allows developers to reuse their code and build features quickly with simple templates. Developers can choose from a wide array of existing components. Also, developers can extend the template language with their own components. Angular framework provides simplicity of use. It also features a number of sophisticated and powerful building blocks such as Router, Dependency Injection, and Data-Binding. Angular is one of three of the most used languages in the development world. Angular includes support for Progressive Web Apps (PWA), a new software development method which combines the features offered by most modern web browsers with the benefits of the mobile experience. The following is the list of major companies who uses Angular framework to develop their web and mobile applications. Gmail, YouTube, Microsoft Office, Xbox, Mixer, Deutsche Bank Developer Portal, Udacity, Santander Banking Application, Netflix, Upwork, Lego, IBM, Weather, iStock, GoodFilms, JetBlue, MobileRoadie, Freelancer, LandSend, WikiWand, Walmart, The New York Times, Vevo, Paypal, The Guardian. Angular is a whole solution for creating a full-fledged front end of an application, without a need for any other frameworks or plug in. This fully featured framework make your application stand out in terms of appearance, user-friendliness and performance. This book has used following tools to develop and run angular applications.

1. Node JS
2. Angular CLI
3. Visual Studio Code

Node JS is the web server used to run angular

applications. Angular CLI is used to run angular commands. Visual Studio Code is used to edit scripts.

This book constitutes the thoroughly refereed post-conference proceedings of three workshops of the 12th International Conference on Web-Age Information Management, WAIM 2011, held in Wuhan, China, in September 2011. The 20 revised full papers are organized in topical sections on the three following workshops: the First International Workshop on Web-based Geographic Information Management (WGIM 2011), the Third International Workshop on XML Data Management (XMLDM 2011), and the First International Workshop on Social Network Analysis (SNA 2011).

Designed to help experienced programmers develop real-world, job-role-specific skills—this Training Guide focuses on creating applications with HTML5, JavaScript, and CSS3. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job. Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for using HTML5, JavaScript, and CSS3 to begin building modern web and Windows 8 apps Features pragmatic lessons, exercises, and practices Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-480 Coverage includes: creating HTML5 documents; implementing styles with CSS3; JavaScript in depth; using Microsoft developer tools; AJAX; multimedia support; drawing with Canvas and SVG; drag and drop functionality; location-aware apps; web storage; offline apps; writing your first simple Windows 8 apps; and other key topics

Explore C# and the .NET Core framework to create applications and optimize them with ASP.NET Core 2 Key Features Get to grips with multi-threaded, concurrent, and asynchronous programming in C# and .NET Core Develop modern, cross-platform applications with .NET Core 2.0 and C# 7.0 Create efficient web applications with ASP.NET Core 2. Book Description C# is a widely used programming language, thanks to its easy learning curve, versatility, and support for modern paradigms. The language is used to create desktop apps, background services, web apps, and mobile apps. .NET Core is open source and compatible with Mac OS and Linux. There is no limit to what you can achieve with C# and .NET Core. This Learning Path begins with the basics of C# and object-oriented programming (OOP) and explores features of C#, such as tuples, pattern matching, and out variables. You will understand .NET Standard 2.0 class libraries and ASP.NET Core 2.0, and create professional websites, services, and applications. You will become familiar with mobile app development using Xamarin.Forms and learn to develop high-performing applications by writing optimized code with various profiling techniques. By the end of C# 7 and .NET: Designing Modern Cross-platform Applications, you will have all the knowledge required to build modern, cross-platform apps using C# and .NET. This Learning Path includes content from the following Packt products: C# 7.1 and .NET Core 2.0 - Modern Cross-Platform Development - Third Edition by Mark J. Price C# 7 and .NET Core 2.0 High Performance by Ovais Mehboob Ahmed Khan What you will learn Explore ASP.NET Core to create professional web applications Master OOP with C# to increase code reusability and efficiency Protect your data using encryption and hashing Measure application performance using BenchmarkDotNet Use design techniques to increase your application's performance Learn memory management techniques in .NET Core Understand tools and techniques to monitor application performance Who this book is for This Learning Path is designed for developers who want to gain a solid foundation in C# and .NET Core, and want to build cross-platform applications. To gain maximum benefit from this Learning Path, you must have basic knowledge of C#.

Developing Web Applications with Visual Basic.NET and ASP.NET John Wiley & Sons

CD-ROM contains: Java and XML implementations of ideas and models described in the appendix.

Dan Wesley takes the reader through Visual InterDev step by step, breaking each project into its essential parts: what it's for, how it's design, what it's based on, what its requirements are, how to build it, and lastly, how to integrate it with real-world need. The CD-ROM features the complete book projects and design-time control tools and resources for building Web applications.

This thoroughly revised and updated Second Edition provides an in-depth information that readers need to fully exploit the functionality of Microsoft's ASP.NET framework and Oracle's Database Server to build dynamic and interactive web applications that can handle a large number of simultaneous users. The book provides readers with information pertaining to ASP.NET 4.0 architecture; its installation, web controls, master pages, themes, state management, AJAX and deployment of web applications. It includes the Hypertext Markup Language (HTML) and the Cascading Style Sheet (CSS), which are used for designing the web pages. In order to facilitate an easy learning of intricate concepts involved in the development of data-driven dynamic web applications, the book provides a detailed treatment on the Oracle Structured Query Language (SQL) and Oracle PL/SQL. It also introduces the distributed architecture and discusses how ASP.NET framework, Oracle database and Internet Information Services (IIS) can be used to develop and deploy the solutions for distributed environment. After going through this book, the students/professionals will be able to:

- Develop data-driven web applications using Oracle as back-end.
- Present data through data-bound controls.
- Manage consistent look and fill using master pages and themes.
- Develop stateful e-commerce applications.
- Develop rich interactive web applications using AJAX.
- Embed Microsoft Reports to produce dynamic printable output.
- Debug, deploy and secure web applications.

The book is intended to serve as a guide for the undergraduate and postgraduate students of Computer Science, Computer Applications and Information Technology. Besides, it would also be useful to IT professionals to enhance their technical skills. Key Features More than 100 worked-out examples and 20 assignments. Around 200 objective and subjective type questions. Two real-world case studies with solutions. Project development work following the complete SDLC process model. Three appendices, namely Integrating Microsoft Reports in ASP.NET, Installation of Visual Studio 2010, and Answers to Chapter-end Practice Questions. New to the Second Edition Provides information for designing and developing the web applications using Visual Studio. Includes two new chapters—one on Master Pages, Themes and State Management and the other on AJAX in ASP.NET and Web Deployment of Application. Includes the new features of ASP.NET 4.0. Gives additional questions in each chapter. Includes a CD-ROM, which contains programs (tested with ASP.NET 4.0 and compatible with Oracle 10g) corresponding to all the examples, assignments, case studies and the project included in the book. The installation processes of programs are described in the relevant chapters of the book.

Create rich interactivity with Scalable Vector Graphics (SVG) Dive into SVG—and build striking, interactive visuals for your web applications. Led by three SVG experts, you'll learn step-by-step how to use SVG techniques for animation, overlays, and dynamic charts and graphs. Then you'll put it all together by building two graphic-rich applications.

Get started creating dynamic visual content using web technologies you're familiar with—such as JavaScript, CSS, DOM, and AJAX. Discover how to: Build client-side graphics with little impact on your web server Create simple user interfaces for mobile and desktop web browsers Work with complex shapes and design reusable patterns Position, scale, and rotate text elements using SVG transforms Create animations using the Synchronized Multimedia Integration Language (SMIL) Build more powerful animations by manipulating SVG with JavaScript Apply filters to sharpen, blur, warp, reconfigure colors, and more Make use of programming libraries such as Pergola, D3, and Polymaps O'Reilly has once again updated its bestselling tutorial on ASP.NET, the world's leading web development tool from Microsoft. In *Programming ASP.NET, Third Edition*, authors Jesse Liberty and Dan Hurwitz give you the lowdown on the technology's latest version, ASP.NET 2.0, as well as Visual Studio 2005. Among the most significant improvements to ASP.NET 2.0 are new server controls and services that make you dramatically more productive. In fact, when compared to its predecessor, ASP.NET 2.0 reduces the amount of code you have to write by about 75%. Creating interactive web applications has never been easier—but that still doesn't mean it's hassle-free! The difficulty in ASP.NET 2.0 is that it's so complete and flexible that there are many pieces that must be woven together to build a robust, scalable, and efficient application. Fortunately, *Programming ASP.NET, Third Edition* is on the case, dispensing all the information you need to be effective with this dynamic tool. For starters, the book features a comprehensive tutorial on Web Forms, the user interface that gives web applications their look and feel. It then offers detailed explanations of all new controls, including web server controls, HTML controls, and custom controls. Used properly, these controls are able to take care of nearly all the foundation work—security, data access, layout, etc.—that you would normally have to write yourself. Free of these burdensome tasks, you can instead focus on your specific application. Other new material found in this updated edition even shows you how to create ASP.NET 2.0 pages for mobile devices. With *Programming ASP.NET, Third Edition* at your side, there's virtually no end to the programming possibilities.

Introduction and summary of web-related technologies; Web application basics; Dynamic clients; Beyond http and html; Security; The process; Defining the architecture; Requirements and use case; Analysis; Design; Implementation.

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

Building a web application that attracts and retains regular visitors is tricky enough, but creating a social application that encourages visitors to interact with one another requires careful planning. This book provides practical solutions to the tough questions you'll face when building an effective community site -- one that makes visitors feel like they've found a new home on the Web. If your company is ready to take part in the social web, this book will help you get started. Whether you're creating a new site from scratch or reworking an existing site, *Building Social Web Applications* helps you choose the tools appropriate for your audience so you can build an infrastructure that will promote interaction and help the community coalesce. You'll also learn about business models for various social web applications, with examples of member-driven, customer-service-driven, and contributor-driven sites. Determine who will be drawn to your site, why they'll stay, and who they'll interact with Create visual design that clearly communicates how your site works Build the software you need versus plugging in one-size-fits-all, off-the-shelf apps Manage the identities of your visitors and determine how to support their interaction Monitor demand from the community to guide your choice of new functions Plan the launch of your site and get the message out

Professional Visual Basic .NET skills are in heavy demand since it's often the easiest and fastest way to connect the many components that are required in an enterprise-level application Includes thirty one-hour lessons that recreate a typical week-long introductory seminar Covers the critical information that every VB .NET developer should know The author has written more than thirty courses in application development, messaging, and network development and is currently training for AutoDesk Companion Web site features an online presentation by the author that follows along with each chapter and includes an audio-only option for readers with dial-up Internet connection

The new edition of the ultimate comprehensive guide to Microsoft Visual Basic Where most VB books start with beginner level topics, *Mastering Visual Basic 2010* vaults you right into intermediate and advanced coverage. From the core of the language and user interface design to developing data-driven applications, this detailed book brings you thoroughly

up to speed and features numerous example programs you can use to start building your own apps right away. Covers Visual Basic 2010, part of Microsoft's Visual Studio integrated development environment (IDE), which includes C#, C++, Visual Web Developer, and ASP.NET, along with Visual Basic Explains topics in the thorough, step-by-step style of all books in the Mastering series, providing you ample instruction, tips, and techniques. Helps you build your own applications by supplying sample code you can use to start development. Includes review exercises in each chapter to reinforce concepts as you learn. All the books in the Sybex Mastering series feature comprehensive and expert coverage of topics you can put to immediate use. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

John Alexander and bestselling author Billy Hollis show programmers how to develop enterprise-level Web applications using Microsoft's popular programming language—Visual Basic.NET. Features the incomparable insights and programming know-how of two popular Microsoft insiders, arming developers with proven tips and workarounds to use in their own projects. Provides step-by-step instruction for creating business Web applications using ASP.NET and VB.NET. Companion Web site contains all the code for the sample application.

This newest programming guide by bestselling author Jesse Liberty isn't your typical Visual Basic book. It's not a primer on the language, and it won't dull your brain with arguments hyping .NET either. Its goal, rather, is to make you immediately productive, creating Windows and Web applications using Visual Basic 2005 and Visual Studio 2005. Written for VB6 and novice programmers, the book shows how Visual Basic 2005 can be used to rapidly build modern Windows and web applications. What makes this book different is what's not included. There's no introduction to Visual Basic, no explanation of how it fits into the .NET world. Why waste time reading about something you'll learn for yourself as soon as you start creating applications? You won't even write a "Hello World" program. With Programming Visual Basic 2005 you'll get started building something meaningful, right away. The book is divided into three parts--Building Windows Applications, Building Web Applications, and Programming with Visual Basic--each of which could be a book on its own. The author shares his thorough understanding of the subject matter through lucid explanations and intelligently designed lessons that guide you to increasing levels of expertise. By the time you've finished the book, you'll know how to program both Windows and web applications with VB 2005. The support for this book extends beyond its covers. Jesse offers a FAQ, Errata, complete source code and a link to a free private support discussion center on his web site: LibertyAssociates.com - just click on books. Jesse Liberty, Microsoft .NET MVP, is the best-selling author of O'Reilly Media's Programming ASP.NET and over a dozen other books on web and object-oriented programming. Jesse is a frequent contributor to many industry publications and websites, and has spoken at numerous industry events. He is a former Distinguished Software Engineer at AT&T and Vice President for technology development at CitiBank. Jesse Liberty's books have successfully guided thousands of programmers into the world of .NET programming, and Programming Visual Basic 2005 is no exception.

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

Learning React A hands-on guide to building web applications using React and Redux As far as new web frameworks and libraries go, React is quite the runaway success. It not only deals with the most common problems developers face when building complex apps, it throws in a few additional tricks that make building the visuals for such apps much, much easier. What React isn't, though, is beginner-friendly and approachable. Until now. In Learning React , author Kirupa Chinnathambi brings his fresh, clear, and very personable writing style to help web developers new to React understand its fundamentals and how to use it to build really performant (and awesome) apps. The only book on the market that helps you get your first React app up and running in just minutes, Learning React is chock-full of colorful illustrations to help you visualize difficult concepts and practical step-by-step examples to show you how to apply what you learn. Build your first React app Create components to define parts of your UI Combine components into other components to build more complex UIs Use JSX to specify visuals without writing full-fledged JavaScript Deal with maintaining state Work with React's way of styling content Make sense of the mysterious component lifecycle Build multi-page apps using routing and views Optimize your React workflow using tools such as Node, Babel, webpack, and others Use Redux to make managing your app data and state easy Contents at a Glance 1 Introducing React 2 Building Your First React App 3 Components in React 4 Styling in React 5 Creating Complex Components 6 Transferring Properties 7 Meet JSX... Again! 8 Dealing with State in React 9 Going from Data to UI in React 10

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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.

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Covers topics including .NET Framework and CLR fundamentals, .NET features, Web services, programming with GDI+, and interoperability, and provides a Visual Basic .NET overview.

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. Become a professional .NET developer by learning expert techniques for building enterprise-grade applications Key Features Explore the advanced features of C# and .NET 5 to enhance your code and productivity Follow clear and easy instructions for building an end-to-end enterprise application Learn how to build scalable web applications and host them on the cloud Book Description .NET Core is one of the most popular programming platforms in the world for an increasingly large community of developers thanks to its excellent cross-platform support. This book will show you how to confidently use the features of .NET 5 with C# 9 to build robust enterprise applications. Throughout the book, you'll work on creating an enterprise app and adding a key component to the app with each chapter, before finally getting it ready for testing and deployment. You'll learn concepts relating to advanced data structures, the Entity Framework Core, parallel programming, and dependency injection. As you progress, you'll cover various authentication and authorization schemes provided by .NET Core to make your apps and APIs secure. Next, you'll build web apps using ASP.NET Core 5 and deploy them on the cloud while working with various cloud components using Azure. The book then shows you how to use the latest Microsoft Visual Studio 2019 and C# 9 to simplify developer tasks, and also explores tips and tricks in Visual Studio 2019 to improve your productivity. Later, you'll discover various testing techniques such as unit testing and performance testing as well as different methods to deploy enterprise apps. By the end of this book, you'll be able to create enterprise apps using the powerful features of .NET 5 and deploy them on the cloud.

What you will learn Design enterprise apps by making the most of the latest features of .NET 5 Discover different layers of an app, such as the data layer, API layer, and web layer Explore end-to-end architecture, implement an enterprise web app using .NET and C# 9, and deploy the app on Azure Focus on the core concepts of web application development such as dependency injection, caching, logging, configuration, and authentication, and implement them in .NET 5 Integrate the new .NET 5 health and performance check APIs with your app Understand how .NET 5 works and contribute to the .NET 5 platform Who this book is for If you are a developer, architect, or senior programmer who wants to leverage the features of .NET 5 and the C# language, as well as grasp essential techniques to build your skills, then this C# .NET 5 book is for you. Beginner to intermediate-level knowledge of the .NET framework and C# programming is required to understand the concepts covered in this book more effectively.

Information Technology Is Defining Today S World. This New Reality Has Invaded Every Possible Sphere Of Our Existence. Encyclopedia Of Information Technology Is A Comprehensive Reference Material Comprising The A-Z Of The It Industry. Well-Defined Emerging Technologies And Terms, Concepts, Devices, Systems, And Tools Are Graphically Represented With Annotations. Its Easy-To-Read Format Makes This Handy Book Ideal For The New Learner Explaining Rudimentary Terms Like Ampere , Hard Disk Drive , And Giga . Its Complex Programs, Products, And Applications Like Hypermedia Design Method (Hdm), Hybrid Online Analytical Processing (Hoap), And Memory Card Meets The Needs Of The Hardcore Computer Geek And The New Age Consumer. A Must-Have For Students And Professionals Alike; The Encyclopedia Of Information Technology Truly Gives An In-Depth Insight Into Today S Ever-Changing Information Technology World.

Roll up your sleeves and jump into building web applications using .NET Core 2.1 and the most popular JavaScript frameworks. You will start by building a data access layer using Entity Framework Core, a RESTful service using ASP.NET Core, and then you will build a web application following the MVC pattern, also using ASP.NET Core. The resulting application is an example e-commerce site using the most appropriate capabilities in .NET Core for building a line of business applications. The second half of Building Web Applications with .NET Core 2.1 and JavaScript is dedicated to teaching you how to develop applications on the client with JavaScript, Bootstrap, and related tooling such as TypeScript, WebPack, NPM, and more. Each JavaScript framework will build the same UI as the ASP.NET Core web application from the first half of the book, leveraging the same ASP.NET Core RESTful service and Entity Framework Core data access layer. Building the same UI in the different JavaScript frameworks provides the context and knowledge to reasonably compare and contrast the tools. What You Will Learn Ramp up quickly on Entity Framework Core and ASP.NET Core Use TypeScript to deliver better JavaScript Manage your JavaScript build process Know how to build UIs with ASP.NET Core MVC, Angular, and React to make better decisions on which technologies to adopt in your projects Conduct an apples-to-apples comparison of ASP.NET Core, Angular, and React Who This Book Is For .NET architects, consultants, and developers who want to modernize their skill set. Some understanding of JavaScript and the Web is useful.

Designed to introduce Visual FoxPro programmers to the software development tools of .NET, this informative handbook provides a detailed overview of the .NET framework and the C# and Visual Basic .NET languages and covers such topics as .NET business objectives, building Web applications with ASP .NET, .NET XML, and troubleshooting and debugging in .NET. Original. (Advanced)

This self-teaching guide explains how to write server-side components for dynamic, interactive Web pages and powerful Web-based applications that are easy to develop and modify. It comes complete with key points, background information, quizzes at the end of each chapter, and a final exam.

Learn how to build large, mission critical Internet database applications using Tahoe as the foundation. Covers server side web applications, including ASP (ODBC and ActiveX automation servers), FoxISAPI, and advanced web features such as cookies, authentication, and browser functionality encapsulation. Also delves into non-HTML distributed applications and remote data services.

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