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Modern Web Development with Go React: Building Modern Web Applications JavaScript for Modern Web Development Modern Web Development The Modern Web Web Development with Django Modern JavaScript Web Development Cookbook Angular Development with TypeScript Functional Web Development with Elixir, OTP, and Phoenix JavaScript Frameworks for Modern Web Development Modern Web Development with IBM WebSphere Practical Web Development JavaScript Frameworks for Modern Web Dev Web Development Recipes Modern Web Development with ASP.NET Core 3 Learn Java for Web Development The Full Stack Developer JavaScript for Modern Web Development Software Engineering for Modern Web Applications: Methodologies and Technologies MEAN Web Development Web Development with Clojure Web Application Development with MEAN Full-Stack Web Development with Vue.js and Node Web Developer's Reference Guide Rust Web Programming Deno Web Development Hands-On Full Stack Web Development with Aurelia Web Development Solutions Modern JavaScript Learning Patterns Web Development with Node and Express Modern CSS Programming JavaScript Applications Full-Stack React Projects The Web Development Glossary Web Design Blueprints How to be a Web Developer RxJS in Action Fundamentals of Web Development Phoenix Web Development

Build websites and applications using the latest techniques in modern web development About This Book Create amazing modern day applications that run seamlessly across multiple platforms Implement multiple methodologies by creating different apps with dynamic features This unique project-based guide will help you build your own websites efficiently Who This Book Is For This book is a must-have for web developers who want to stay on top of the latest trends in web app and site development. If you are a web developer who is already familiar with HTML, CSS, and functional JavaScript, and you want to learn the latest trends in web development, this is the book for you. What You Will Learn Find out how to create responsive websites Create websites using the principals of Flat design Create deep-dive sites using parallax scrolling Discover how to use Ajax in single-page applications Create responsive navigation with CSS and JavaScript Create responsive padding with the box model property In Detail The book delivers simple instructions on how to design and build modern Web using the latest trends in web development. You will learn how to design responsive websites, created with modern Flat User Interface design patterns, build deep-scrolling websites with parallax 3D effects, and roll-your-own single-page applications. Finally, you'll work through an awesome chapter that combines them all. Each chapter features actual lines of code that you can apply right away. Style and Approach Using real-world examples, Web Design Blueprints presents practical how-to projects for site enhancements, with a light-hearted, easy-to-understand tone. This book has individual projects that cumulate until you finally build a super-project at the end, using all the skills learned Modern web applications deserve modern tools. Harness the JVM's rich infrastructure while taking advantage of the expressive power and brisk performance of a modern functional language. Exploit Clojure's unique advantages for web development. Step by step, apply the fundamentals of programming in Clojure to build real-world, professional web applications. This edition features new libraries, tools, and best practices, and focuses on developing modern single-page applications. Stop developing web apps with yesterday's tools. Today, developers are increasingly adopting Clojure as a web-development platform. See for yourself what makes Clojure so desirable, as you create a series of web apps of growing complexity, exhibiting the full process of web development using a modern functional language. Journey through all the steps in developing a rich Picture Gallery web application--from conception to packaging and deployment. You'll work hands-on with Clojure and build real-world, professional web apps. This fully updated second edition reveals the changes in the rapidly evolving Clojure ecosystem. Get up to speed on the many new libraries, tools, and best practices. Gain expertise in the popular Ring/Compojure stack using the Luminus

framework. Learn how Clojure works with databases and speeds development of RESTful services. See why ClojureScript is rapidly becoming a popular front-end platform, and use ClojureScript with the popular Reagent library to build single-page applications. This book is for you, whether you're already familiar with Clojure or if you're completely new to the language. What You Need: The latest JVM, Clojure 1.6+, and the Leiningen build tool, as well as an editor such as Emacs, IntelliJ, Eclipse, Light Table, or VI. Django is a popular Python-based framework for web application development. Like Python, Django is easy for beginners to learn and enables constant progress. This book will help aspiring web developers gain the skills to use Django to develop robust web apps. In this book, you will learn design patterns, performance and rendering patterns for building high-quality web applications using modern JavaScript and React. Patterns are time-tested templates for writing code. They can be really powerful, whether you're a seasoned developer or beginner, bringing a valuable level of resilience and flexibility to your codebase. Whether it's better user-experience, developer-experience or just smarter architecture, the patterns in "Learning Patterns" can be a valuable consideration for any modern web application. Enrich your software design skills and take a guided tour of the wild, vast, and untamed frontier that is JavaScript development. Especially useful for frontend developers, this revision includes specific chapters on React and VueJS, as well as an updated one on Angular. To help you get the most of your new skills, each chapter also has a "further reading" section. This book will serve as an introduction to both new and well established libraries and frameworks, such as Angular, VueJS, React, Grunt, Yeoman, RequireJS, Browserify, Knockout, Kraken, Async.js, Underscore, and Lodash. It also covers utilities that have gained popular traction and support from seasoned developers and tools applicable to the entire development stack, both client- and server-side. While no single book can possibly cover every JavaScript library of value, JavaScript Frameworks for Modern Web Development focuses on incredibly useful libraries and frameworks that production software uses. You will be treated to detailed analyses and sample code for tools that manage dependencies, structure code in a modular fashion, automate repetitive build tasks, create specialized servers, structure client side applications, facilitate horizontal scaling, and interacting with disparate data stores. What You'll Learn Work with a variety of JavaScript frameworks, such as Angular, Vue, React, RequireJS, Knockout, and more Choose the right framework for different types of projects Employ the appropriate libraries and tools in your projects Discover useful JavaScript development tools such as Grunt, Yeoman, Lodash, etc. Who This Book Is For Web developers of all levels of ability; particularly relevant for front-end developers, server-side coders, and developers interested in learning JavaScript. As a web user, you'll no doubt have noticed some of the breathtaking applications available in today's modern web, such as Google Maps and Flickrdesktop applications than the old style web sites you are used to. You've probably also wished that you could create such things, and then thought "nahhh, I'd need to know a lot of complicated code to be able to even start creating sites like these." Well, think again. There is a lot of complicated code involved in cutting-edge "Ajax-style" web applications, but a lot of the hard work is already done for you, and available on the Web. JavaScript libraries exist to provide most of that Ajax/DOM Scripting functionality out of the box. Application programming interfaces (APIs) exist to allow you to transplant complicated applications such as Google Maps and Flickr right into your own web sites. And hosting services such as Flickr and YouTube provide all you need to store and retrieve your media (be it images, video, or whatever) at your leisure, without having to worry about bandwidth issues and file naming nightmares. All you need to know is enough to successfully wire together all this functionality successfully and responsibly, and this book shows you how. It starts from the very beginning of your journey, showing you what's available, what you need, and how to set up an effective development environment. After a solid base has been built, it shows you how to build up each aspect of your site, including storing, retrieving, and displaying content, adding

images and video to your site, building effective site navigation and laying it all out beautifully using CSS, promoting your content so you will attract visitors to your site, and adding special effects to enhance usability and design aesthetics...all with ready-made functionality available on the Web! Life as a web developer has never been easier. A one-stop guide to the essentials of web development including popular frameworks such as jQuery, Bootstrap, AngularJS, and Node.js

About This Book Understand the essential elements of HTML, CSS, and JavaScript, including how and when to use them Walk through three of the best and most popular web development frameworks - jQuery, Bootstrap, and AngularJS References for any function you will need in your day-to-day web development Who This Book Is For This book is perfect for beginners but more advanced web developers will also benefit. Laid out so you can refer to as much or as little as you need to, with this book you can exhaustively explore essential concepts for modern web developers. What You Will Learn Explore detailed explanations of all the major HTML elements and attributes, illustrated with examples Take a deep dive into CSS properties and functions and master their usage Find clear, concise descriptions of JavaScript syntax and expressions Recognize various JavaScript design patterns and learn the basics of JavaScript object-orientated programming Implement the latest ECMAScript 6 for client-side scripting in your web applications Discover new ways to develop your website's front end quickly and easily using Bootstrap Write JavaScript extensibly using jQuery-JavaScript's feature-rich library Delve into the key Node.js modules used in JavaScript server-side programming Access AngularJS 's important modules, controllers, directives, and services quickly In Detail This comprehensive reference guide takes you through each topic in web development and highlights the most popular and important elements of each area. Starting with HTML, you will learn key elements and attributes and how they relate to each other. Next, you will explore CSS pseudo-classes and pseudo-elements, followed by CSS properties and functions. This will introduce you to many powerful and new selectors. You will then move on to JavaScript. This section will not just introduce functions, but will provide you with an entire reference for the language and paradigms. You will discover more about three of the most popular frameworks today—Bootstrap, which builds on CSS, jQuery which builds on JavaScript, and AngularJS, which also builds on JavaScript. Finally, you will take a walk-through Node.js, which is a server-side framework that allows you to write programs in JavaScript. Style and approach This book is an easy-to-follow, comprehensive reference guide. Each topic, function, or element is listed methodically along with parameters, return values, and descriptions. Examples are also included to help you put the concepts to use quickly in the real world. Over 90 recipes to help you write clean code, solve common JavaScript problems, and work on popular use cases like SPAs, microservices, native mobile development with Node, React, React Native and Electron. Key Features Over 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8 Leverage the power of leading web frameworks like Node and React to build modern web apps Features comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScript Book Description JavaScript has evolved into a language that you can use on any platform. Modern JavaScript Web Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript. This comprehensive guide teaches you how to work with JavaScript on servers, browsers, mobile phones and desktops. You will start by exploring the new features of ES8. You will then move on to learning the use of ES8 on servers (with Node.js), with the objective of producing services and microservices and dealing with authentication and CORS. Once you get accustomed to ES8, you will learn to apply it to browsers using frameworks, such as React and Redux, which interact through Ajax with services. You will then understand the use of a modern framework to develop the UI. In addition to this, development for mobile devices with React Native will walk you through the benefits of creating native apps, both for Android and iOS. Finally, you'll be able to apply your new-found knowledge of server-side and client-side tools to develop applications with Electron. What you will learn Use the latest features of ES8 and learn new ways to code with JavaScript Develop server-side services and microservices with Node.js Learn to do unit testing and to debug your code Build client-side web applications using React and Redux Create native mobile applications for Android and iOS with React Native Write desktop applications with Electron Who this book is for This book is for developers who want to explore the latest JavaScript features, frameworks, and tools for building complete mobile, desktop and web apps, including server and client-side code. You are expected to have

working knowledge of JavaScript to get the most out of this book. Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0. A practical, project-based guide to full-stack JavaScript web development combining the power of React with industry-tested server-side technologies Key Features Build your career as a full-stack developer with this practical guide Understand how the different aspects of a MERN application come together through a series of practical projects Master the MERN stack by building robust social media, E-commerce store, and web-based VR game apps Book Description Facebook's React combined with industry-tested, server-side technologies, such as Node, Express, and MongoDB, enables you to develop and deploy robust real-world full-stack web apps. This updated second edition focuses on the latest versions and conventions of the technologies in this stack, along with their new features such as Hooks in React and async/await in JavaScript. The book also explores advanced topics such as implementing real-time bidding, a web-based classroom app, and data visualization in an expense tracking app. Full-Stack React Projects will take you through the process of preparing the development environment for MERN stack-based web development, creating a basic skeleton app, and extending it to build six different web apps. You'll build apps for social media, classrooms, media streaming, online marketplaces with real-time bidding, and web-based games with virtual reality features. Throughout the book, you'll learn how MERN stack web development works, extend its capabilities for complex features, and gain actionable insights into creating MERN-based apps, along with exploring industry best practices to meet the ever-increasing demands of the real world. By the end of this React book, you'll be able to build production-ready MERN full-stack apps using advanced tools and techniques in modern web development. What you will learn Extend a basic MERN-based application to build a variety of applications Add real-time communication capabilities with Socket.IO Implement data visualization features for React applications using Victory Develop media streaming applications using MongoDB GridFS Improve SEO for your MERN apps by implementing server-side rendering with data Implement user authentication and authorization using JSON web tokens Set up and use React 360 to develop user interfaces with VR capabilities Make your MERN stack applications reliable and scalable with industry best practices Who this book is for This is one of the most useful web development books for JavaScript developers who may have worked with React but have minimal experience in full-stack development with Node, Express, and MongoDB. Beginner to Expert in Web development with JavaScript: From HTML to React-Redux KEY FEATURES - Acquire web development skills to build independent applications - Understand the basics of HTML, CSS, JavaScript, React and Redux - Create build beautiful applications using HTML, CSS, JavaScript, React and Redux - Learn how to debug and unit test your applications properly to build good end products - Follow best practices to write good quality code and build performant applications DESCRIPTION This book will take you on a complete journey of learning web development, starting right with the basics. The book begins with the history of web development and JavaScript, how it has evolved over these years, and how it still keeps growing with new features. Next, you will learn the basic pillars of web development - HTML, CSS, and JavaScript. You will learn about the functional, object-oriented programming and asynchronous behaviour, and how JavaScript provides for these. Empowered with the basics, you will proceed to learn the new features of JavaScript, ES2015, and the latest ES2019. Next, you will apply your learning to build a real application to see how the Web takes shape. At the end, you will also have an introductory section on ReactJS, one of the modern frameworks for

UI development and also develop a simple weather application using React. You will be introduced to Redux as the state container for React applications. This book will conclude with an introductory look at additional topics which can be taken up to become a professional and in building enterprise level applications. WHAT WILL YOU LEARN By the end of the book, you will be building real web applications to put your knowledge to practice. This book introduces all the concepts to get started with web application development. To further excel in this field, you really need to practice by building a lot many applications, implementing your own ideas or imitating existing websites. Also remember to practice additional examples provided in the code bundle of the book to master this field. WHO THIS BOOK IS FOR This book can be used by people who are completely new to software development and want to get into front-end web development by starting from basics. This book can also be used by JavaScript users for a quick reference to the fundamentals of HTML, CSS, JS, and learn ReactJS with Redux, as well as the new features in JavaScript ES2019. Table of Contents 1. History of JS and how it has revolutionized web development 2. HTML: Creating Web Content 3. CSS: Making content beautiful 4. JavaScript Programming: Making application Interactive 5. Functional programming with JavaScript 6. Object-Oriented JavaScript 7. Asynchronous Programming 8. What's new in ES2019 JavaScript 9. Building an application with JavaScript 10. Debugging JavaScript Applications 11. Unit test automation 12. Build and Deploy an Application 13. JavaScript Best Practices 14. Introduction to React 15. Building an application with React 16. State Management in React applications 17. Debugging, Testing, and Deploying React applications 18. What is next - for becoming a pro? Fundamentals of Web Development covers the broad range of topics required for modern web development (both client- and server-side) and is appropriate for students who have taken a CS1 course sequence. The book guides students through the creation of enterprise-quality websites using current development frameworks. It covers the required ACM web development topics in a modern manner closely aligned with best practices in the real world of web development. Teaching and Learning Experience •Help students master the fundamentals of web development: A true grasp of web development requires an understanding of both the foundations of the web and current web development practices. •Support learning outcomes in various teaching scenarios: This book allows instructors to chart their own unique way through the topics that make up contemporary web development If you are a web or a full-stack JavaScript developer who is interested in learning how to build modern web applications using the MEAN stack, this book is for you. "This book presents current, effective software engineering methods for the design and development of modern Web-based applications"--Provided by publisher. The Phoenix web development framework is an object-oriented application development tool written in Elixir. With Elixir and Phoenix, you build your application the right way, ready to scale and ready for the increasing demands of real-time web applications. If you have some knowledge of Elixir, have experience with web frameworks in other ... Understand the technical foundations, as well as the non-programming skills needed to be a successful full stack web developer. This book reveals the reasons why a truly successful full stack developer does more than write code. You will learn the principles of the topics needed to help a developer new to agile or full stack working—UX, project management, QA, product management, and more— all from the point of view of a developer. Covering these skills alongside the fundamentals and foundations of modern web development, rather than specifics of current technologies and frameworks (which can age quickly), all programming examples are given in the context of the web as it is in 2018. Although you need to feel comfortable working on code at the system, database, API, middleware or user interface level, depending on the task in hand, you also need to be able to deal with the big picture and the little details. The Full Stack Developer recognizes skills beyond the technical, and gives foundational knowledge of the wide set of skills needed in a modern software development team. What You'll Learn Plan your work including Agile vs Waterfall, tools, scrum, kanban and continuous delivery Translate UX into code: grids, component libraries and style guides Design systems and system architectures (microservices to monoliths) Review patterns for APIs (SOAP, AJAX, REST), defining API domains, patterns for REST APIs and more API goodness Study the various front-end design patterns you need to know Store data, what to consider for security, deployment, in production and more Who This Book Is For New graduates or junior developers who are transitioning to working as part of a larger team structure in a multi-disciplinary teams and developers previously focused on only front-end or back-end dev transitioning into full stack. Adopt the

Rust programming language by learning how to build fully functional web applications and services and address challenges relating to safety and performance Key FeaturesBuild scalable web applications in Rust using popular frameworks such as Actix, Rocket, and WarpCreate front-end components that can be injected into multiple viewsDevelop data models in Rust to interact with the databaseBook Description Are safety and high performance a big concern for you while developing web applications? While most programming languages have a safety or speed trade-off, Rust provides memory safety without using a garbage collector. This means that with its low memory footprint, you can build high-performance and secure web apps with relative ease. This book will take you through each stage of the web development process, showing you how to combine Rust and modern web development principles to build supercharged web apps. You'll start with an introduction to Rust and understand how to avoid common pitfalls when migrating from traditional dynamic programming languages. The book will show you how to structure Rust code for a project that spans multiple pages and modules. Next, you'll explore the Actix Web framework and get a basic web server up and running. As you advance, you'll learn how to process JSON requests and display data from the web app via HTML, CSS, and JavaScript. You'll also be able to persist data and create RESTful services in Rust. Later, you'll build an automated deployment process for the app on an AWS EC2 instance and Docker Hub. Finally, you'll play around with some popular web frameworks in Rust and compare them. By the end of this Rust book, you'll be able to confidently create scalable and fast web applications with Rust. What you will learnStructure scalable web apps in Rust in Rocket, Actix Web, and WarpApply data persistence for your web apps using PostgreSQLBuild login, JWT, and config modules for your web appsServe HTML, CSS, and JavaScript from the Actix Web serverBuild unit tests and functional API tests in Postman and NewmanDeploy the Rust app with NGINX and Docker onto an AWS EC2 instanceWho this book is for This book on web programming with Rust is for web developers who have programmed in traditional languages such as Python, Ruby, JavaScript, and Java and are looking to develop high-performance web applications with Rust. Although no prior experience with Rust is necessary, a solid understanding of web development principles and basic knowledge of HTML, CSS, and JavaScript are required if you want to get the most out of this book. Master the art of building dynamic, modern web applications with React About This Book Learn the hot new frontend web framework from Facebook - ReactJS, an easy way of developing the V in MVC and a better approach to software engineering in JavaScript A fast-paced guide to designing and building scalable and maintainable web apps with React.js Learn all the new ES6 features and be among the most prominent JavaScript developers who can write efficient JS programs as per the latest standards Master the art of building modern web applications using React Learn to build modern native iOS and Android applications using JavaScript and the incredible power of React Who This Book Is For This course is for web developers that want to unlock high performance dynamism in the applications that they create. If you want a comprehensive journey into one of the most important JavaScript frameworks around today, dive into this course. What You Will Learn Take control of the front end with reactive JavaScript programming Discover what ReactJS offers your development - before mastering it Create React elements with properties and children Use JSX to speed up your React development process Test your React components with the Jest test framework Learn the latest syntax of ES6 Execute ES6 in a non-supported ES6 environment Learn the principles of object-oriented programming Create a complete single-page application Use an application design plan to write smarter, more meaningful code Learn how to use animations to give extra style to your application Get to grips with the React Native environment Write your own custom native UI components Integrate native modules in Objective-C and Java that interact with JavaScript In Detail ReactJS has helped to transform the web as we know it. Designed by Facebook to help developers build rapid, responsive UI that can deal with data-intensive usage, it's an essential component in any web developer's skillset. This ReactJS course, in five connected modules, provides you with a fast, engaging and practical route into ReactJS—so you can build powerful, elegant, and modern web applications. Beginning with the Reactive Programming with JavaScript module, you will learn how to take advantage of a reactive and functional programming paradigm to rethink how you approach your JavaScript code. It's built to help you understand the concepts, relevant and applicable for any frontend developer. You'll then dive a little deeper into ReactJS. The second module gives you a rapid look through the fundamentals of ReactJS, showing you how to build a basic application and

demonstrating how to implement the Flux architecture. In the third module you will get to grips with ES6—this will make you a more fluent JavaScript developer, giving you control over ReactJS. You can put your old JavaScript hacks aside and instead explore how to create ES6 custom iterators. In the final two modules you'll learn how to fully master ReactJS, exploring its wider ecosystem of tools that have helped to make it one of the most important tools in web development today. Ending with insights and guidance on React Native, the tool built for today's demand for native, intuitive user experiences and interfaces, with this course you can be confident in building dynamic and modern apps with React. Style and approach

Consisting of five separate modules, journey from the fundamentals of reactive programming to the exciting possibilities of React Native. Each module builds on each other, helping you to incrementally develop your skills and knowledge. The Web Development Glossary is probably the largest of its kind. With more than 2,000 terms and explanations it acquaints and reunites you with the major standards and concepts of the Web, with HTML, CSS, JavaScript, accessibility, security, performance, code quality, internationalization, localization, editors and tooling and more. The glossary then goes beyond web development, touching on computer science, design, typography, usability and user experience, information as well as project management, other disciplines of interest and relevance to the modern developer. It goes beyond, inspiring the curiosity to learn more about the Web and the people creating and using it. And still it is a glossary, of a couple of thousand terms for developers, leaning on (and giving back to) Wikipedia and the MDN Web Docs. → This is the book if you choose to extend and validate your web and software development knowledge. Online resources also available to purchasers. This complete beginner's guide is for anyone interested in becoming a web developer. Aimed at those without any previous experience, this book provides an overview of the key principles of modern web development. You'll gain insight into the key facets of JavaScript, HTML and CSS, as well as the difference between front-end, back-end, and full stack development. You'll also be introduced to popular tools and frameworks such as React, Angular, GraphQL, and Node.js, and gain an understanding of the role of a web developer: what it entails, how to secure your first role, and how to survive your first week in the job. Moreover, How to be a Web Developer will take you through the steps of building your first web application, allowing you to apply the principles you've learned in a practical way. Filled with additional information and resources, this book will give you the knowledge and tools needed to start your journey to becoming a professional web developer. What You Will Learn Master the principles of JavaScript, HTML, CSS, and UX Design Utilize tools and frameworks like React, Angular and GraphQL Understand what it means to be a web developer and what it entails Develop key soft skills such as teamwork and project management Gain practical knowledge that will help you get started as a web developer Who This Book Is For Complete beginners without any previous knowledge or experience who are interested in web development. Master powerful new approaches to web architecture, design, and user experience This book presents a pragmatic, problem-driven, user-focused approach to planning, designing, and building dynamic web solutions. You'll learn how to gain maximum value from Domain-Driven Design (DDD), define optimal supporting architecture, and succeed with modern UX-first design approaches. The author guides you through choosing and implementing specific technologies and addresses key user-experience topics, including mobile-friendly and responsive design. You'll learn how to gain more value from existing Microsoft technologies such as ASP.NET MVC and SignalR by using them alongside other technologies such as Bootstrap, AJAX, JSON, and JQuery. By using these techniques and understanding the new ASP.NET Core 1.0, you can quickly build advanced web solutions that solve today's problems and deliver an outstanding user experience. Microsoft MVP Dino Esposito shows you how to: Plan websites and web apps to mirror real-world social and business processes Use DDD to dissect and master the complexity of business domains Use UX-Driven Design to reduce costs and give customers what they want Realistically compare server-side and client-side web paradigms Get started with the new ASP.NET Core 1.0 Simplify modern visual webpage construction with Bootstrap Master practical, efficient techniques for running ASP.NET MVC projects Consider new options for implementing persistence and working with data models Understand Responsive Web Design's pros, cons, and tradeoffs Build truly mobile-friendly, mobile-optimized websites About This Book For experienced developers and solution architects who want to plan and develop web solutions more effectively Assumes basic familiarity with the Microsoft web development stack Summary Angular Development with TypeScript, Second Edition is an intermediate-level

tutorial that introduces Angular and TypeScript to developers comfortable with building web applications using other frameworks and tools. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Whether you're building lightweight web clients or full-featured SPAs, Angular is a clear choice. The Angular framework is fast, efficient, and widely adopted. Add the benefits of developing in the statically typed, fully integrated TypeScript language, and you get a programming experience other JavaScript frameworks just can't match. About the Book Angular Development with TypeScript, Second Edition teaches you how to build web applications with Angular and TypeScript. Written in an accessible, lively style, this illuminating guide covers core concerns like state management, data, forms, and server communication as you build a full-featured online auction app. You'll get the skills you need to write type-aware classes, interfaces, and generics with TypeScript, and discover time-saving best practices to use in your own work. What's inside Code samples for Angular 5, 6, and 7 Dependency injection Reactive programming The Angular Forms API About the Reader Written for intermediate web developers familiar with HTML, CSS, and JavaScript. About the Author Yakov Fain and Anton Moiseev are experienced trainers and web application developers. They have coauthored several books on software development. Table of Contents Introducing Angular The main artifacts of an Angular app Router basics Router advanced Dependency injection in Angular Reactive programming in Angular Laying out pages with Flex Layout Implementing component communications Change detection and component lifecycle Introducing the Forms API Validating forms Interacting with servers using HTTP Interacting with servers using the WebSocket protocol Testing Angular applications Maintaining app state with ngrx A curious JavaScript developer's practical guide to deep dive into Deno and get the most out of it for building secure web applications Key Features Understand Deno's essential concepts and features Learn how to use Deno in real-world scenarios Use Deno to develop, test, and deploy web applications and tools Book Description Deno is a JavaScript and TypeScript runtime with secure defaults and a great developer experience. With Deno Web Development, you'll learn all about Deno's primitives, its principles, and how you can use them to build real-world applications. The book is divided into three main sections: an introduction to Deno, building an API from scratch, and testing and deploying a Deno application. The book starts by getting you up to speed with Deno's runtime and the reason why it was developed. You'll explore some of the concepts introduced by Node, why many of them transitioned into Deno, and why new features were introduced. After understanding Deno and why it was created, you will start to experiment with Deno, exploring the toolchain and writing simple scripts and CLI applications. As you progress to the second section, you will create a simple web application and then add more features to it. This application will evolve from a simple 'hello world' API to a web application connected to the database, with users, authentication, and a JavaScript client. In the third section, the book will take you through topics such as dependency management, configuration and testing, finishing with an application deployed in a cloud environment. By the end of this web development book, you will become comfortable with using Deno to create, maintain, and deploy secure and reliable web applications. What you will learn Understand why you should use Deno Get to grips with tooling and the Deno ecosystem Build Deno web applications using existing Node.js knowledge and the newest ECMA Script 6 features Explore the standard library and the benefits of Deno's security model Discover common practices and web frameworks to build a REST API in Deno Structure a web application using common architecture practices Test and deploy a Deno application in the cloud using Docker Who this book is for This book is for web developers who want to leverage their JavaScript and TypeScript skills in a secure, simple, and modern runtime, using Deno for web app development. Beginner-level knowledge of Node.js is recommended but not required. Explore the tools and techniques to build scalable and secured RESTful web services and web applications using C# 8 and ASP.NET Core 3.1 Key Features Delve into MVC patterns, configuration, routing, and deployment to build professional-grade applications Learn how to integrate ASP applications with the JavaScript frameworks React, Vue, and Angular Improve the performance of applications and the development team by implementing advanced ASP.NET Core concepts Book Description ASP.NET has been the preferred choice of web developers for a long time. With ASP.NET Core 3, Microsoft has made internal changes to the framework along with introducing new additions that will change the way you approach web development. This second edition has been thoroughly updated to help you make the most of the latest features in the

framework, right from gRPC and conventions to Blazor, which has a new chapter dedicated to it. You'll begin with an overview of the essential topics, exploring the Model-View-Controller (MVC) pattern, various platforms, dependencies, and frameworks. Next, you'll learn how to set up and configure the MVC environment, before delving into advanced routing options. As you advance, you'll get to grips with controllers and actions to process requests, and later understand how to create HTML inputs for models. Moving on, you'll discover the essential aspects of syntax and processes when working with Razor. You'll also get up to speed with client-side development and explore the testing, logging, scalability, and security aspects of ASP.NET Core. Finally, you'll learn how to deploy ASP.NET Core to several environments, such as Azure, Amazon Web Services (AWS), and Docker. By the end of the book, you'll be well versed in development in ASP.NET Core and will have a deep understanding of how to interact with the framework and work cross-platform. What you will learn

Understand the new capabilities of ASP.NET Core 3.1
Become well versed in how to configure ASP.NET Core to use it to its full potential
Create controllers and action methods, and understand how to maintain state
Implement and validate forms and retrieve information from them
Improve productivity by enforcing reuse, process forms, and effective security measures
Delve into the new Blazor development model
Deploy ASP.NET Core applications to new environments, such as Microsoft Azure, AWS, and Docker

Who this book is for
If you are a developer with basic knowledge of ASP.NET MVC and want to build powerful applications, then this book is for you. Developers who want to explore the latest changes in ASP.NET Core 3.1 to build professional-level applications will also find this book useful. Familiarity with C#, ASP.NET Core, HTML, and CSS is expected to get the most out of this book. Today's web technologies are evolving at near-light speed, bringing the promise of a seamless Internet ever closer to reality. When users can browse the Web on a three-inch phone screen as easily as on a fifty-inch HDTV, what's a developer to do? Peter Gasston's *The Modern Web* will guide you through the latest and most important tools of device-agnostic web development, including HTML5, CSS3, and JavaScript. His plain-English explanations and practical examples emphasize the techniques, principles, and practices that you'll need to easily transcend individual browser quirks and stay relevant as these technologies are updated. Learn how to:

- Plan your content so that it displays fluidly across multiple devices
- Design websites to interact with devices using the most up-to-date APIs, including Geolocation, Orientation, and Web Storage
- Incorporate cross-platform audio and video without using troublesome plug-ins
- Make images and graphics scalable on high-resolution devices with SVG
- Use powerful HTML5 elements to design better forms

Turn outdated websites into flexible, user-friendly ones that take full advantage of the unique capabilities of any device or browser. With the help of *The Modern Web*, you'll be ready to navigate the front lines of device-independent development. JavaScript Frameworks for Modern Web Dev is your guide to the wild, vast, and untamed frontier that is JavaScript development. The JavaScript tooling landscape has grown and matured drastically in the past several years. This book will serve as an introduction to both new and well established libraries, frameworks, and utilities that have gained popular traction and support from seasoned developers. It covers tools applicable to the entire development stack, both client- and server-side. While no single book can possibly cover every JavaScript library of value, JavaScript Frameworks for Modern Web Dev focuses on incredibly useful libraries and frameworks that production software uses. You will be treated to detailed analyses and sample code for tools that manage dependencies, structure code in a modular fashion, automate repetitive build tasks, create specialized servers, structure client side applications, facilitate horizontal scaling, and interacting with disparate data stores. The libraries and frameworks covered include Bower, Grunt, Yeoman, PM2, RequireJS, Browserify, Knockout, AngularJS, Kraken, Mach, Mongoose, Knex, Bookshelf, Faye, Q, Async.js, Underscore, and Lodash. Written from first-hand experience, you will benefit from the glorious victories and innumerable failures of two experienced professionals, gain quick insight into hurdles that aren't always explicitly mentioned in API documentation or Readmes, and quickly learn how to use JavaScript frameworks and libraries like a Pro. Enrich your development skills with JavaScript Frameworks for Modern Web Dev today. Modern web development is so much more than just HTML and CSS with a little JavaScript mixed in. People want faster, more usable interfaces that work on multiple devices, and you need the latest tools and techniques to make that happen. This book gives you over 40 concise solutions to today's web development problems, and introduces new solutions that will expand your skill set--proven, practical advice from authors who use these tools and

techniques every day. In this completely updated edition, you'll find innovative new techniques and workflows, as well as reworked solutions that take advantage of new developments. Web development is constantly changing, and you need to stay on top of your game. Discover a wide spectrum of web development techniques, from how to improve the way you present content, to solutions for data analysis, testing, and deployment. In this edition we introduce new tools, add new recipes, and modernize old ones. You'll use Vagrant to automate server setup, and you'll discover new ways to develop blogs and static sites. You'll learn how to use Grunt to script the deployment of your web project, and use Angular to build a single-page app. You'll learn how to make content stand out with simple cross-browser styles; create animations that work well everywhere without plugins; and create lightweight, responsive layouts. We'll show you how to use preprocessors like CoffeeScript and Sass; write tests for your code; use Git and Dropbox to collaborate; configure and secure the Apache web server; use virtualization to set up your own servers automatically; and much more. Whether you're new to front-end development, or you've got a few years of experience, you'll become a more versatile developer by finding out how--and why--to use these solutions in your next project. What You Need: Your favorite text editor, the most current version of Mozilla Firefox, Internet Explorer, Google Chrome or Safari, and a working knowledge of HTML and JavaScript. Familiarity with command-line interfaces is a plus. Build fast, scalable web server applications by harnessing the power of solution-driven programming with Go. KEY FEATURES

- Understanding the core concepts of the Go programming language.
- Designing and development of modern Web Server applications.
- Dealing with different kinds of database management solutions.
- Deploying applications with cutting edge technologies.
- Monitoring and maintenance of applications with popular tools.

DESCRIPTION In this book, we are going to learn how to design, develop and deploy Web Server Applications using the Go programming language. In recent years, Go has become the industrial standard for these kinds of applications; so by learning this, a lot of good opportunities can be opened in the market. All subjects will be covered through various practical examples. This book will cover the state-of-the-art technology for the development of Web Applications and follow all industrial standards. At the beginning we will do the preparation for development. Here, we will learn the basics of the Go programming language, the basics of Web Servers, how to set up a project with Go, and how to design software solutions. Later, we will concentrate more on development. We will learn how to develop the application designed in the previous chapters, how to use different types of databases, how to test our application, and how to make it secure. At the end of the book, we will show how to deploy the application and monitor it after deployment. After reading this book, the readers can independently develop Web Server Applications or include themselves in already-started projects. WHAT WILL YOU LEARN

- Solve common problems with the Go programming language.
- Be familiar with the terms related to server applications.
- Understand the phases in the software development process.
- Be able to independently design software solutions and use some best practices.
- Be familiar with multiple different database management solutions (relational and NoSQL) and be able to predict which best suits their needs.
- Learn how to deploy applications.
- Understand and know how to apply monitoring and alerting concepts.

WHO THIS BOOK IS FOR The book is for beginners and experienced developers who want to learn and have a thorough introduction to web development using the Go programming language. With a lot of practical examples and guidelines on how to install and configure specific tools, beginners will easily understand and follow the content covered in this book. On the other hand, more experienced developers will certainly find some useful tips and tricks. TABLE OF CONTENTS

1. Basic Concepts of Go programming language
2. Advanced Concepts of Go programming language
3. Web Servers
4. Setting up a project with Go programming language
5. Design of Web Applications
6. Application layers
7. Relational databases and Repository layer
8. NoSQL databases and Repository layer
9. Testing
10. Security
11. Deploying Web Application
12. Monitoring and Alerting

Take advantage of JavaScript's power to build robust web-scale or enterprise applications that are easy to extend and maintain. By applying the design patterns outlined in this practical book, experienced JavaScript developers will learn how to write flexible and resilient code that's easier--yes, easier--to work with as your code base grows. JavaScript may be the most essential web programming language, but in the real world, JavaScript applications often break when you make changes. With this book, author Eric Elliott shows you how to add client- and server-side features to a large JavaScript application without negatively

affecting the rest of your code. Examine the anatomy of a large-scale JavaScript application Build modern web apps with the capabilities of desktop applications Learn best practices for code organization, modularity, and reuse Separate your application into different layers of responsibility Build efficient, self-describing hypermedia APIs with Node.js Test, integrate, and deploy software updates in rapid cycles Control resource access with user authentication and authorization Expand your application's reach through internationalization Web development has grown to become vital in shaping how humans interact, work, learn, and consume. Practical Web Development provides you with a roadmap of web development today, giving you the tools you need and the guidance to keep you creative and productive in a world of disruption and innovation. Beginning with the structure of the Web and the principles of building basic websites with HTML, you will learn about CSS, JavaScript, and PHP, before taking a closer look at some of the leading technologies used to build the modern Web. You will integrate jQuery, Ajax, and JSON into your projects before moving on to the latest tools and techniques in responsive web design, including Zurb Foundation or Bootstrap, to help you meet the challenges of developing for multiple devices, and explore how Node.js offers a powerful solution to server-side application development. This book is for anyone that wants to get to grips with the broader picture of web development today. Beginner to Expert in Web development with JavaScript: From HTML to React-Redux KEY FEATURES a- Acquire web development skills to build independent applications a- Understand the basics of HTML, CSS, JavaScript, React and Reduxa- Create build beautiful applications using HTML, CSS, JavaScript, React and Reduxa- Learn how to debug and unit test your applications properly to build good end productsa- Follow best practices to write good quality code and build performant applicationsDESCRIPTION This book will take you on a complete journey of learning web development, starting right with the basics. The book begins with the history of web development and JavaScript, how it has evolved over these years, and how it still keeps growing with new features. Next, you will learn the basic pillars of web development - HTML, CSS, and JavaScript. You will learn about the functional, object-oriented programming and asynchronous behaviour, and how JavaScript provides for these. Empowered with the basics, you will proceed to learn the new features of JavaScript, ES2015, and the latest ES2019. Next, you will apply your learning to build a real application to see how the Web takes shape. At the end, you will also have an introductory section on ReactJS, one of the modern frameworks for UI development and also develop a simple weather application using React. You will be introduced to Redux as the state container for React applications. This book will conclude with an introductory look at additional topics which can be taken up to become a professional and in building enterprise level applications. WHAT WILL YOU LEARN By the end of the book, you will be building real web applications to put your knowledge to practice. This book introduces all the concepts to get started with web application development. To further excel in this field, you really need to practice by building a lot many applications, implementing your own ideas or imitating existing websites. Also remember to practice additional examples provided in the code bundle of the book to master this field. WHO THIS BOOK IS FOR This book can be used by people who are completely new to software development and want to get into front-end web development by starting from basics. This book can also be used by JavaScript users for a quick reference to the fundamentals of HTML, CSS, JS, and learn ReactJS with Redux, as well as the new features in JavaScript ES2019. Table of Contents 1. History of JS and how it has revolutionized web development 2. HTML: Creating Web Content 3. CSS: Making content beautiful 4. JavaScript Programming: Making application Interactive 5. Functional programming with JavaScript 6. Object-Oriented JavaScript 7. Asynchronous Programming 8. What's new in ES2019 JavaScript 9. Building an application with JavaScript 10. Debugging JavaScript Applications 11. Unit test automation 12. Build and Deploy an Application 13. JavaScript Best Practices 14. Introduction to React 15. Building an application with React 16. State Management in React applications 17. Debugging, Testing and Deploying React applications 18. What is next - for becoming a pro? About the Authors Alok Ranjan is a B.Tech in Computer Science and Engineering from IIT Delhi. After graduating in 2001, Alok worked with companies like Newgen, Virtusa, and Convergys before starting his entrepreneurial journey. Abhilasha Sinha is BE Computer Science from Osmania University. After completing her graduation in 2003, she started her career as a Software Engineer with Infosys. She went on to become Senior Technology Architect in a long and fulfilling association of 12 years. Ranjit Battewad has over 8 years of experience in full-stack web and mobile

application development. Associated with WalkingTree Technologies since past over 8 years and playing the role of senior technical lead, he has exposure to complex application architecture design and development. Summary RxJS in Action gives you the development skills you need to create reactive applications with RxJS. This book is full of theory and practical examples that build on each other and help you begin thinking in a reactive manner. Foreword by Ben Lesh, Project lead, RxJS 5. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology On the web, events and messages flow constantly between UI and server components. With RxJS, you can filter, merge, and transform these streams directly, opening the world of data flow programming to browser-based apps. This JavaScript implementation of the ReactiveX spec is perfect for on-the-fly tasks like autocomplete. Its asynchronous communication model makes concurrency much, much easier. About the Book RxJS in Action is your guide to building a reactive web UI using RxJS. You'll begin with an intro to stream-based programming as you explore the power of RxJS through practical examples. With the core concepts in hand, you'll tackle production techniques like error handling, unit testing, and interacting with frameworks like React and Redux. And because RxJS builds on ideas from the world of functional programming, you'll even pick up some key FP concepts along the way. What's Inside Building clean, declarative, fault-tolerant applications Transforming and composing streams Taming asynchronous processes Integrating streams with third-party libraries Covers RxJS 5 About the Reader This book is suitable for readers comfortable with JavaScript and standard web application architectures. About the Author Paul P. Daniels is a professional software engineer with experience in .NET, Java, and JavaScript. Luis Atencio is a software engineer working daily with Java, PHP, and JavaScript platforms, and author of Manning's Functional Programming in JavaScript. Table of Contents PART 1 - UNDERSTANDING STREAMS Thinking reactively Reacting with RxJS Core operators It's about time you used RxJS PART 2 - OBSERVABLES IN PRACTICE Applied reactive streams Coordinating business processes Error handling with RxJS PART 3 MASTERING RXJS Heating up observables Toward testable, reactive programs RxJS in the wild Come on a tour of "modern" CSS in 2020. This example-driven book demonstrates the concepts by showing code examples, screenshots, and diagrams to help clearly communicate the information. You'll start with the very basics of CSS: box model, colors, selectors and combinators, and specificity. Then gradually move through more intermediate topics - styling text, positioning, Z-index and stacking contexts, gradients, borders, and then to more advanced topics such as transforms, transitions, animations, flexbox, and CSS grid. Some features are only available in modern browsers (Chrome, Edge, Safari, and Firefox), but information about IE11 compatibility is included where possible. There is a lot of discussion about how hard CSS is, and how intimidated some people are by it, but it doesn't have to be this way. Modern CSS uses a logical and understandable approach to break down and clearly explain the ins and outs of CSS. What You'll Learn Work with the syntax of CSS selectors and calculate specificity Use styling techniques, fonts and text styling Review custom properties (variables) Explore the different ways an element can be transformed Use animating elements with CSS transitions Position elements using Flexbox layout Understand the basics of responsive design Who This Book Is For Anyone who has some experience with HTML, and some CSS, but might not be familiar with some of the newer concepts like flexbox or grid. Also, those looking for a refresher in those areas. It's time for a current, definitive JavaScript book, and in this comprehensive beginner's guide, bestselling author Larry Ullman teaches the language as it is implemented today. Larry demonstrates how to build upon JavaScript's ease of use, while demystifying its often-cryptic syntax, especially for those who have not programmed before. This book enforces modern JavaScript's best practices and embraces key Web development approaches such as progressive enhancement and unobtrusive scripting. The author demonstrates loads of real-world code and makes it available for download. You'll learn about JavaScript itself and the relationship between JavaScript and HTML. Next you'll explore variables, common operators, and control structures. Then you'll create functions, handle events, and do more with HTML forms. You'll master Ajax, work with frameworks, and use JavaScript with PHP to create a complete example. The result is a book that helps you not just tinker with JavaScript but to thoroughly comprehend it. This book includes: Easy step-by-step instruction, ample illustrations, and clear examples Real-world techniques to build your skills Insight into best practices from a veteran Web expert Emphasis on strategies for creating reliable code that will work on all of today's browsers and devices, even those without JavaScript Unlock the power

of the MEAN stack by creating attractive and real-world projects

About This Book Learn about the different components that comprise a MEAN application to construct a fully functional MEAN application using the best third-party modules

A step-by-step guide to developing the MEAN stack components from scratch to achieve maximum flexibility when building an e-commerce application Build optimum end-to-end web applications using the MEAN stack

Who This Book Is For This learning path is for web developers who are experienced in developing applications using JavaScript. This course is for developers who are interested in learning how to build modern and multiple web applications using MongoDB, Express, AngularJS, and Node.js.

What You Will Learn Build modern, end-to-end web applications by employing the full-stack web development solution of MEAN

Connect your Express application to MongoDB and use a Mongoose model and build a complex application from start to finish in MongoDB

Employ AngularJS to build responsive UI components

Implement multiple authentication strategies such as OAuth, JsonWebToken, and Sessions

Enhance your website's usability with social logins such as Facebook, Twitter, and Google

Secure your app by creating SSL certificates and run payment platforms in a live environment

Implement a chat application from scratch using Socket.IO

Create distributed applications and use the power of server-side rendering in your applications

Extend a project with a real-time bidding system using WebSockets

In Detail The MEAN stack is a collection of the most popular modern tools for web development. This course will help you to build a custom e-commerce app along with several other applications. You will progress to creating several applications with MEAN. The first module in this course will provide you with the skills you need to successfully create, maintain, and test a MEAN application. Starting with MEAN core frameworks, this course will explain each framework key concepts of MongoDB, Express, AngularJS, and Node.js. We will walk through the different tools and frameworks that will help expedite your daily development cycles. After this, the next module will show you how to create your own e-commerce application using the MEAN stack. It takes you step by step through the parallel process of learning and building to develop a production-ready, high-quality e-commerce site from scratch. It also shows you how to manage user authentication and authorization, check multiple payment platforms, add a product search and navigation feature, deploy a production-ready e-commerce site, and finally add your own high-quality feature to the site. The final step in this course will enable you to build a better foundation for your AngularJS apps. You'll learn how to build complex real-life applications with the MEAN stack and a few more advanced projects. You will become familiar with WebSockets, build real-time web applications, create auto-destructing entities, and see how to work with monetary data in Mongo. You will also find out how to a build real-time e-commerce application. This learning path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: MEAN Web Development by Amos Haviv Building an E-Commerce Application with MEAN by Adrian Mejia MEAN Blueprints by Robert Onodi

Style and approach This course will begin with the introduction to MEAN, gradually progressing with building applications in each framework. Each transition is well explained, and each chapter begins with the required background knowledge. AngularJS is the leading framework for building dynamic JavaScript applications that take advantage of the capabilities of modern browsers and devices. AngularJS, which is maintained by Google, brings the power of the Model-View-Controller (MVC) pattern to the client, providing the foundation for complex and rich web apps. It allows you to build applications that are smaller, faster, and with a lighter resource footprint than ever before.

Best-selling author Adam Freeman explains how to get the most from AngularJS. He begins by describing the MVC pattern and the many benefits that can be gained... Elixir and Phoenix are generating tremendous excitement as an unbeatable platform for building modern web applications. For decades OTP has helped developers create incredibly robust, scalable applications with unparalleled uptime. Make the most of them as you build a stateful web app with Elixir, OTP, and Phoenix. Model domain entities without an ORM or a database. Manage server state and keep your code clean with OTP Behaviours. Layer on a Phoenix web interface without coupling it to the business logic. Open doors to powerful new techniques that will get you thinking about web development in fundamentally new ways. Elixir and OTP provide exceptional tools to build rock-solid back-end applications that scale. In this book, you'll build a web application in a radically different way, with a back end that holds application state. You'll use persistent Phoenix Channel connections instead of HTTP's request-response, and create the full application in distinct, decoupled layers. In Part 1, start by

building the business logic as a separate application, without Phoenix. Model the application domain with Elixir functions and simple data structures. By keeping state in memory instead of a database, you can reduce latency and simplify your code. In Part 2, add in the GenServer Behaviour to make managing in-memory state a breeze. Create a supervision tree to boost fault tolerance while separating error handling from business logic. Phoenix is a modern web framework you can layer on top of business logic while keeping the two completely decoupled. In Part 3, you'll do exactly that as you build a web interface with Phoenix. Bring in the application from Part 2 as a dependency to a new Phoenix project. Then use ultra-scalable Phoenix Channels to establish persistent connections between the stateful server and a stateful front-end client. You're going to love this way of building web apps!

What You Need: You'll need a computer that can run Elixir version 1.5 or higher and Phoenix 1.3 or higher. Some familiarity with Elixir and Phoenix is recommended. Bring the frontend and backend together with Vue, Vuex, and Node.js

Key Features Construct modern web applications with Node 10, Express.js, MongoDB, and Vue Leverage the latest web standards to increase code performance, readability, and cross-compatibility Harness the power of the JavaScript ecosystem to effectively run, build, and test your full stack applications

Book Description Isomorphic JavaScript was the buzzword of the year 2017, allowing developers to utilize a single language throughout their web development stack and build cost-effective and scalable applications. MEVN is a one such modern web development stack consisting of web applications such as MongoDB, Express.js, Vue.js, and Node.js. Hands-On Full-Stack Web Development with Vue.js 2 and Node.js leverages the harmony of these technologies to help you create full-stack web applications. Starting with the core frameworks, this example-based guide explains all the key concepts of frameworks, how to set them up properly, and how to use popular modules to connect them together and make them work cohesively. You will learn all this with the help of real-world examples. In addition to this, you will be able to scaffold web application architecture, add an authentication layer, and develop the MVC structure to support the development of your application. You'll explore how to create data models for your applications and then write REST APIs by exposing your data model to your application. Solely orientated towards building a full, end-to-end application using the MEVN stack, this book will help you understand how your application development grows. What you will learn

Build an application with Express.js

Create schemas using Mongoose

Develop a single-page application using Vue.js and Express.js

Create RESTful APIs using Express.js

Add test cases to improve the reliability of the application

Learn how to deploy apps on Heroku using GitHub

Add authorization using passports

Who this book is for If you are a web or a full-stack JavaScript developer, and have tried your hand at traditional stacks such as LAMP, MEAN or MERN, or wish to explore a new stack with modern web technologies, then this book is for you. Prior knowledge of HTML, CSS, and JavaScript would be an added advantage. Isomorphic JavaScript has been a buzzword lately, allowing developers to utilize a single language throughout their web development stack and build cost-effective and scalable applications. This book is on one such modern web development stack which comprises of web technologies like MongoDB, Express.js, Aurelia.js, and Node.

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