Web App Solutions

Amos Q. Haviv, Adrian Mejia, Robert Onodi

Web Application Design Handbook Susan Fowler, Victor Stanwick, 2004-06-23 The standards for usability and interaction design for Web sites and software are well known. This full-color book, written by designers with a significant contribution to Web-based application design, delivers both a thorough treatment of the subject for many different kinds of applications and a quick reference for designers looking for some fast design solutions.

Web Application Design Handbook Susan Fowler, Victor Stanwick, 2004-07-21 The standards for usability and interaction design for Web sites and software are well known. While not everyone uses those standards, or uses them correctly, there is a large body of knowledge, best practice, and proven results in those fields, and a good education system for teaching professionals how to. For the newer field of Web application design, however, designers are forced to reuse the old rules on a new platform. This book provides a roadmap that will allow readers to put complete working applications on the Web, display the results of a process that is running elsewhere, and update a database on a remote server using an Internet rather than a network connection. Web Application Design Handbook describes the essential widgets and development tools that will the lead to the right design solutions for your Web application. Written by designers who have made significant contributions to Web-based application design, it delivers a thorough treatment of the subject for many different kinds of applications, and provides quick reference for designers looking for some fast design solutions and opportunities to enhance the Web application experience. This book adds flavor to the standard Web design genre by juxtaposing Web design with programming for the Web and covers design solutions and concepts, such as intelligent generalization, to help software teams successfully switch from one interface to another. * The first interaction design book that focuses exclusively on Web applications. * Full-color figures throughout the book. * Serves as a cheat sheet or fake book for designers: a handy reference for standards, rules of thumb, and tricks of the trade. * Applicable to new Web-based applications and for porting existing desktop applications to Web browsers.

Web Application Development with MEAN Amos Q. Haviv, Adrian Mejia, Robert Onodi, 2016-10-28 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 realtime 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.

Building Social Web Applications Gavin Bell, 2009-09-17 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 memberdriven, 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

Web Development with Go Shiju Varghese, 2015-12-30 Take a deep dive into web development using the Go programming language to build web apps and RESTful services to create reliable and efficient software. Web Development with Go provides Go language fundamentals and then moves on to advanced web development concepts and successful deployment of Go web apps to the cloud. Web Development with Go will teach you how to develop scalable real-world web apps, RESTful services, and backend systems with Go. The book starts off by covering Go programming language fundamentals as a prerequisite for web development. After a thorough understanding of the basics, the book delves into web development using the built-in package, net/http. With each chapter you'll be introduced to new concepts for gradually building a real-world web system. The book further shows you how to integrate Go with other technologies. For example, it provides an overview of using MongoDB as a means of persistent storage, and provides an end-to-end REST API sample as well. The book then moves on to demonstrate how to deploy web apps to the cloud using the Google Cloud platform. Web Development with Go provides: Fundamentals for building real-world web apps in Go Thorough coverage of prerequisites and practical code examples Demo web apps for attaining a deeper understanding of web development A reference REST API app which can be used to build scalable real-world backend services in Go A thorough demonstration of deploying web apps to the Cloud using the Google Cloud platform Go is a high-performance language while providing greater level of developer productivity, therefore Web Development with Go equips you with the necessary skills and knowledge required for effectively building robust and efficient web apps by leveraging the features of Go.

Enterprise Application Development with C# 9 and .NET 5 Ravindra Akella, Arun Kumar Tamirisa, Suneel Kumar Kunani, Bhupesh Guptha Muthiyalu, 2021-03-19 Become a professional .NET developer by learning expert techniques for building enterprise-grade applications Key FeaturesExplore the advanced features of C# and .NET 5 to enhance your code and productivityFollow clear and easy instructions for building an end-to-end enterprise applicationLearn how to build scalable web applications and host them on the cloudBook 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 ?nally 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 di?erent 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

learnDesign enterprise apps by making the most of the latest features of .NET 5Discover di?erent layers of an app, such as the data layer, API layer, and web layerExplore end-to-end architecture, implement an enterprise web app using .NET and C# 9, and deploy the app on AzureFocus on the core concepts of web application development such as dependency injection, caching, logging, con?guration, and authentication, and implement them in .NET 5Integrate the new .NET 5 health and performance check APIs with your appUnderstand how .NET 5 works and contribute to the .NET 5 platformWho 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.

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

approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC

Professional Java for Web Applications Nicholas S. Williams, 2014-02-21 The comprehensive Wrox guide for creating Java web applications for the enterprise This guide shows Java software developers and software engineers how to build complex web applications in an enterprise environment. You'll begin with an introduction to the Java Enterprise Edition and the basic web application, then set up a development application server environment, learn about the tools used in the development process, and explore numerous Java technologies and practices. The book covers industry-standard tools and technologies, specific technologies, and underlying programming concepts. Java is an essential programming language used worldwide for both Android app development and enterprise-level corporate solutions As a step-by-step guide or a general reference, this book provides an all-in-one Java development solution Explains Java Enterprise Edition 7 and the basic web application, how to set up a development application server environment, which tools are needed during the development process, and how to apply various Java technologies Covers new language features in Java 8, such as Lambda Expressions, and the new Java 8 Date & Time API introduced as part of JSR 310, replacing the legacy Date and Calendar APIs Demonstrates the new, fullyduplex WebSocket web connection technology and its support in Java EE 7, allowing the reader to create rich, truly interactive web applications that can push updated data to the client automatically Instructs the reader in the configuration and use of Log4j 2.0, Spring Framework 4 (including Spring Web MVC), Hibernate Validator, RabbitMQ, Hibernate ORM, Spring Data, Hibernate Search, and Spring Security Covers application logging, JSR 340 Servlet API 3.1, JSR 245 JavaServer Pages (JSP) 2.3 (including custom tag libraries), JSR 341 Expression Language 3.0, JSR 356 WebSocket API 1.0, JSR 303/349 Bean Validation 1.1, JSR 317/338 Java Persistence API (JPA) 2.1, full-text searching with JPA, RESTful and SOAP web services, Advanced Message Queuing Protocol (AMOP), and OAuth Professional Java for Web Applications is the complete Wrox guide for software developers who are familiar with Java and who are ready to build high-level enterprise Java web applications.

AngularJS: Maintaining Web Applications Rodrigo Branas, Chandermani,, Matt Frisbie, Amos Q. Haviv, 2016-04-22 Get started with speed building AngularJS applications, and scale up to a full-stack web application, using the existing AngularJS framework without the trouble of migrating to Angular 2 About This Book Follow the best practices of the framework to organize and modularize your application Get to grips with Angular's Model-View-Controller architecture Create application modules with maximum reusability and extensibility Structure and use AngularJS applications in your MEAN project in your MEAN project Who This Book Is For This course is for people who want to discover how they can improve their current web applications with the existing version of Angular without having to worry much about migrating to AngularJS 2 What You Will Learn Install and set up the AngularJS framework Create your own full-featured and robust AngularJS web apps Create reusable directives and then extend the behavior of HTML on your web page Optimize and maintain your web applications Create more powerful full-stack web applications, that draw on the combined power of AngularJS, Node.js, MongoDB, and Express in the MEAN stack In Detail The AngularJS course is a journey to help you improve and scale your current web applications with the existing

version of Angular without having to worry about migration to Angular 2. The course is divided into four modules. The first part-AngularJS Essentials is like a practical guide, filled with many step-by-step examples that will lead you through the best practices of AngularJS. After a brief introduction, you will learn how to create reusable components with directives. You will then take a look at many data handling techniques, discover a complete set of technologies that are capable to accomplish any challenge related to present, transform, and validate data on the user's interface. Finally, you will discover the best way to deal with the scope and how to break up the application into separate modules, giving rise to reusable and interchangeable libraries. With this you've crossed a milestone and are about to enter the world of learning by example. In the next part-Learning AngularJS By Example, you will learn how to effectively build apps using the AngularJS platform. You will be building multiple apps on this platform ranging from simple ones to more complex ones. In this module, you will roll up your coding sleeves and create a serious AngularJS application by example - a rich featured workout app. Take the coding a step at a time at first, then once you're coding a full app in this module, a lot of AngularJS will fall right into place for you. The third module—AngularJS Web Application Development Cookbook, will get you accustomed to the AngularJS concept armed with a solid understanding of how it works, insight into the best ways to wield it in real-world applications, and annotated code examples. It is a rich library of AngularJS coding solutions that you can use straight away in your own code projects. You are just a step away from completing this learning path of AngularJS. The name of the next part—MEAN Web Development itself assures that you are nearing the destination. The idea is simple with this part, you'll take MongoDB as the database, Express as the web framework, AngularJS as the frontend framework, and Node.js as the platform, and combine them together in a modular approach that will ensure the flexibility needed in modern software development. This is also your graduation to full-stack web development, which can open many new coding and career opportunities for you! Style and approach Get up to speed building AngularJS applications, then improve and scale full-stack web applications, using the existing AngularJS framework without the trouble of migrating to Angular 2

Building Web Apps with WordPress Brian Messenlehner, Jason Coleman, 2019-12-11 WordPress is much more than a blogging platform. If you have basic PHP, HTML, CSS, and JavaScript experience you can use WordPress to develop fast, scalable, secure, and highly customized web apps, mobile apps, web services, and multisite networks of websites. Along with core WordPress functions and database schema, you'll learn how to build custom plugins, themes, and services for just about any kind of web or mobile application. In this updated second edition, Brian Messenlehner and Jason Coleman cover new features and functionality added to WordPress up to version 5.4. All code examples in the book are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views and plugins for backend functionality Get suggestions for choosing or building WordPress plugins Register custom post types (CPTs) and taxonomies Manage user accounts and roles, and access user data Build asynchronous behaviors with jQuery Use WordPress to develop mobile apps for iOS and Android Integrate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Learn how to speed up and scale your WordPress app Extend

the WordPress REST API and create custom endpoints Learn about WordPress Gutenberg blocks development

Developing Large Web Applications Kyle Loudon, 2010-02-24 How do you create a mission-critical site that provides exceptional performance while remaining flexible, adaptable, and reliable 24/7? Written by the manager of a UI group at Yahoo!, Developing Large Web Applications offers practical steps for building rock-solid applications that remain effective even as you add features, functions, and users. You'll learn how to develop large web applications with the extreme precision required for other types of software. Avoid common coding and maintenance headaches as small websites add more pages, more code, and more programmers Get comprehensive solutions for refining HTML, CSS, JavaScript, PHP, and Ajax for large-scale web applications Make changes in one place that ripple through all affected page elements Embrace the virtues of modularity, encapsulation, abstraction, and loosely coupled components Use tried-and-true techniques for managing data exchange, including working with forms and cookies Learn often-overlooked best practices in code management and software engineering Prepare your code to make performance enhancements and testing easier

Mastering ABP Framework Halil İbrahim Kalkan, 2022-02-28 Learn how to build modern web applications from the creator of ABP Framework Key Features Build robust, maintainable, modular, and scalable software solutions using ABP Framework Learn how to implement SOLID principles and domain-driven design in your web applications Discover how ABP Framework speeds up your development cycle by automating repetitive tasks Book DescriptionABP Framework is a complete infrastructure for creating modern web applications by following software development best practices and conventions. With ABP's high-level framework and ecosystem, you can implement the Don't Repeat Yourself (DRY) principle and focus on your business code. Written by the creator of ABP Framework, this book will help you to gain a complete understanding of the framework and modern web application development techniques. With step-bystep explanations of essential concepts and practical examples, you'll understand the requirements of a modern web solution and how ABP Framework makes it enjoyable to develop your own solutions. You'll discover the common requirements of enterprise web application development and explore the infrastructure provided by ABP. Throughout the book, you'll get to grips with software development best practices for building maintainable and modular web solutions. By the end of this book, you'll be able to create a complete web solution that is easy to develop, maintain, and test. What you will learn Set up the development environment and get started with ABP Framework Work with Entity Framework Core and MongoDB to develop your data access layer Understand cross-cutting concerns and how ABP automates repetitive tasks Get to grips with implementing domain-driven design with ABP Framework Build UI pages and components with ASP.NET Core MVC (Razor Pages) and Blazor Work with multi-tenancy to create modular web applications Understand modularity and create reusable application modules Write unit, integration, and UI tests using ABP Framework Who this book is for This book is for web developers who want to learn software architectures and best practices for building maintainable web-based solutions using Microsoft technologies and ABP Framework. Basic knowledge of C# and ASP.NET Core is necessary to get started with this book.

Modern JavaScript Web Development Cookbook Federico Kereki, 2018-12-26 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 FeaturesOver 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8Leverage the power of leading web frameworks like Node and React to build modern web appsFeatures comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScriptBook 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 learnUse the latest features of ES8 and learn new ways to code with JavaScriptDevelop server-side services and microservices with Node.jsLearn to do unit testing and to debug your codeBuild client-side web applications using React and ReduxCreate native mobile applications for Android and iOS with React NativeWrite desktop applications with ElectronWho 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 clientside code. You are expected to have working knowledge of JavaScript to get the most out of this book.

Vue. is 3 Cookbook Heitor Ramon Ribeiro, 2020-09-18 Explore the new features of Vue.js 3 and discover best practices for building fault-tolerant and professional frontend web applications Key FeaturesMigrate your apps from Vue.js 2 to Vue.js 3 with the help of practical recipesExplore the latest Vue.js 3 features such as reactivity API, composition API, and TypeScript supportExtend the capabilities and performance of Vue.js apps with Quasar, Vuetify, and Nuxt.js frameworksBook Description Vue.js is a progressive web framework for building professional user interfaces for your web applications. With Vue.js 3, the frontend framework is reinforced with architectural enhancements, new base languages, new render processes, and separated core components. The book starts with recipes for implementing Vue.js 3's new features in your web development projects and migrating your existing Vue.js apps to the latest version. You will get up and running with TypeScript with Vue.is and find succinct solutions to common challenges and pitfalls faced in implementing components, derivatives, and animation, through to building plugins, adding state management, routing, and developing complete single-page applications (SPAs). As you advance, you'll discover recipes to help you integrate Vue.js apps with Nuxt.js in order to add server-side rendering capabilities to your SPAs. You'll then learn about the

Vue.js ecosystem by exploring modern frameworks such as Quasar, Nuxt.js, Vuex, and Vuetify in your web projects. Finally, the book provides you with solutions for packaging and deploying your Vue.js apps. By the end of this Vue.js book, you'll be able to identify and solve challenges faced in building Vue.js applications and be able to adopt the Vue.js framework for frontend web projects of any scale. What you will learnDesign and develop large-scale web applications using Vue.js 3's latest features Create impressive UI layouts and pages using Vuetify, Buefy, and Ant DesignExtend your Vue.js applications with dynamic form and custom rules validationAdd state management, routing, and navigation to your web appsExtend Vue.js apps to the server-side with Nuxt.jsDiscover effective techniques to deploy your web applications with NetlifyDevelop web applications, mobile applications, and desktop applications with a single code base using the Quasar frameworkWho this book is for The book is for both new and experienced Vue.js developers looking to overcome challenges in building dynamic web applications with Vue.is 3. Knowledge of JavaScript and TypeScript is assumed. A basic understanding of Vue.js will help you to make the most of this book.

Enterprise Web Development Yakov Fain, Victor Rasputnis, Anatole Tartakovsky, Viktor Gamov, 2014-07-02 If you want to build your organization's next web application with HTML5, this practical book will help you sort through the various frameworks, libraries, and development options that populate this stack. You'll learn several of these approaches hands-on by writing multiple versions of a sample web app throughout the book, so you can determine the right strategy for your enterprise. What's the best way to reach both mobile and desktop users? How about modularization, security, and test-driven development? With lots of working code samples, this book will help web application developers and software architects navigate the growing number of HTML5 and JavaScript choices available. The book's sample apps are available at http://savesickchild.org. Mock up the book's working app with HTML, JavaScript, and CSS Rebuild the sample app, first with jQuery and then Ext JS Work with different build tools, code generators, and package managers Build a modularized version of the app with RequireJS Apply test-driven development with the Jasmine framework Use WebSocket to build an online auction for the app Adapt the app for both PCs and mobile with responsive web design Create mobile versions with jQuery Mobile, Sencha Touch, and PhoneGap

Pro Android Web Apps Damon Oehlman, Sbastien Blanc, 2011-02-18 Developing applications for Android and other mobile devices using web technologies is now well within reach. When the capabilities of HTML5 are combined with CSS3 and JavaScript, web application developers have an opportunity to develop compelling mobile applications using familiar tools. Not only is it possible to build mobile web apps that feel as good as native apps, but to also write an application once and have it run a variety of different devices. While the HTML5 specification is still evolving, there is a lot that can be used right now to build mobile web apps. Mobile web apps are now starting to provide many of the features that were once only available to native-language-based apps in Java, Objective-C, etc. Pro Android Web Apps teaches developers already familiar with web application development, how to code and structure a web app for use on the Android mobile platform. Understand both the why and how of mobile web app development, focusing on the Android platform. Learn how to structure mobile web apps through a number of practical, real-world

application examples. Discover what cloud platforms such as Google AppEngine have to offer Android web apps, for both hosting web apps and providing device to cloud data synchronization solutions. Get a real picture of the status of HTML5 on Android and other mobile devices, including some things to watch out for when building your own applications. Understand the capabilities of the web application stack, and how to complement those with native bridging frameworks such as PhoneGap to access native features of the device. Gain an understanding of the different UI frameworks that are available for building mobile web apps. Learn how to include mapping and leverage location-based services in mobile web apps to create engaging mobile experiences. Enable social integration with your Android web app and gain access to millions of potential users. After reading this book, you will not only have a greater understanding of the world of web apps on Android, but also how to leverage additional tools and frameworks to increase the reach of your mobile web apps. Additionally, through the practical samples in the book you will have been given solid exposure of where both the opportunities and challenges lie when building mobile apps the web way.

Learning Web App Development Semmy Purewal, 2014-02-13 Grasp the fundamentals of web application development by building a simple databasebacked app from scratch, using HTML, JavaScript, and other open source tools. Through hands-on tutorials, this practical guide shows inexperienced web app developers how to create a user interface, write a server, build clientserver communication, and use a cloud-based service to deploy the application. Each chapter includes practice problems, full examples, and mental models of the development workflow. Ideal for a college-level course, this book helps you get started with web app development by providing you with a solid grounding in the process. Set up a basic workflow with a text editor, version control system, and web browser Structure a user interface with HTML, and include styles with CSS Use JQuery and JavaScript to add interactivity to your application Link the client to the server with AJAX, JavaScript objects, and JSON Learn the basics of server-side programming with Node.js Store data outside your application with Redis and MongoDB Share your application by uploading it to the cloud with CloudFoundry Get basic tips for writing maintainable code on both client and server

<u>MEAN Web Development</u> Amos Q. Haviv,2014-09-25 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.

Build Web Applications with Java Mirza Yousuf Ahmed Baig,2016-02-04 This book is primarily intended for beginners who wants to learn various aspects of software engineering and building web applications using Java programming language. There are many good books available in the market which independently teach Java, Web Servers, MVC based Frameworks, JSP, PL/SQL, AJAX, JavaScript, CSS, HTML5, UML, SDLC etc. This book covers all of these things plus other aspects together while building an actual web application from inception till completion. This books takes a sample web application and builds it from scratch. Each aspect is explained at micro level with real time examples along with the UML diagrams and code. The fundamental concepts of software engineering and programming web applications are covered with high importance. The objective of this book is to teach building modern day business web applications using java and other related technologies. This book teaches everything in details and in simpler way about building web

applications with medium to high level of complexity. This book also covers various software engineering concepts that are required for building software solutions. The book takes you through each and every step of building a web application from scratch. The objective is to teach the reader every single aspect of software engineering required for building web applications from inception till deployment and support. In order to achieve the objective, a real life business requirement is taken and the sample project is built step by step from requirements gathering till deployment and support. The book includes building a light weight MVC based Java framework and building the sample web application using it. During the course architecture, SDLC, UML, security, ajax, various patterns, best practices and other related topics are explained. The best way to learn anything is to get the hands dirty. When a developer starts building any software solution, he/she gets lots of doubts and questions while actually doing it. When the reader architects, designs and does the coding hands on, the reader learns every aspect practically. When the reader builds the working application step by step, the confidence of the reader as a developer is boosted.

Learning Progressive Web Apps John M. Wargo, 2020-02-18 Use Service Workers to Turbocharge Your Web Apps "You have made an excellent decision in picking up this book. If I was just starting on my learning path to mastery of Progressive Web Apps, there are not many folks I would trust more to get me there than John." -Simon MacDonald, Developer Advocate, Adobe Software developers have two options for the apps they build: native apps targeting a specific device or web apps that run on any device. Building native apps is challenging, especially when your app targets multiple system types—i.e., desktop computers, smartphones, televisions—because user experience varies dramatically across devices. Service Workers—a relatively new technology—make it easier for web apps to bridge the gap between native and web capabilities. In Learning Progressive Web Apps, author John M. Wargo demonstrates how to use Service Workers to enhance the capabilities of a web app to create Progressive Web Apps (PWA). He focuses on the technologies that enable PWAs and how to use those technologies to enhance your web apps to deliver a more native-like experience. Build web apps a user can easily install on their local system and that work offline or on low-quality networks Utilize caching strategies that give you control over which app resources are cached and when Deliver background processing in a web application Implement push notifications that enable an app to easily engage with users or trigger action from a remote server Throughout the book, Wargo introduces each core concept and illustrates the implementation of each capability through several complete, operational examples. You'll start with simple web apps, then incrementally expand and extend them with state-of-the-art features. All example source code is available on GitHub, and additional resources are available on the author's companion site, learningpwa.com. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

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