



MASTERING *Knockout.*

**A Comprehensive Guide
for Dynamic Web Apps**



Knockout Js Building Dynamic Client Side Web Applications

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Knockout Js Building Dynamic Client Side Web Applications:

Knockout.js Jamie Munro,2014-12-09 Use Knockout js to design and build dynamic client side web applications that are extremely responsive and easy to maintain This example driven book shows you how to use this lightweight JavaScript framework and its Model View ViewModel MVVM pattern You ll learn how to build your own data bindings extend the framework with reusable functions and work with a server to enhance your client side application with persistence In the final chapter you ll build a shopping cart to see how everything fits together If you re a web developer with experience in JavaScript HTML and CSS you re ready for Knockout Learn how to create a ViewModel Bind HTML data and attributes and CSS classes and styles Understand data binding in Knockout s context hierarchy Use properties that change dynamically through user interaction Work with forms by using several different bindings Bind multiple ViewModels on a single page Extend or attach custom functions to observables Perform server side interactions with jQuery Map a JavaScript object or apply JSON data to a new object

Knockout.js Ellis I. Morris,2015-08-06 Thought provoking and accessible in approach this updated and expanded second edition of the Knockout js Building Dynamic Client Side Web Applications provides a user friendly introduction to the subject Taking a clear structural framework it guides the reader through the subject s core elements A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts This succinct and enlightening overview is a required reading for advanced graduate level students We hope you find this book useful in shaping your future career Feel free to send us your enquiries related to our publications to info risepress pw Rise Press

Knockout.js Jamie Munro,2014-12-09 Use Knockout js to design and build dynamic client side web applications that are extremely responsive and easy to maintain This example driven book shows you how to use this lightweight JavaScript framework and its Model View ViewModel MVVM pattern You ll learn how to build your own data bindings extend the framework with reusable functions and work with a server to enhance your client side application with persistence In the final chapter you ll build a shopping cart to see how everything fits together If you re a web developer with experience in JavaScript HTML and CSS you re ready for Knockout Learn how to create a ViewModel Bind HTML data and attributes and CSS classes and styles Understand data binding in Knockout s context hierarchy Use properties that change dynamically through user interaction Work with forms by using several different bindings Bind multiple ViewModels on a single page Extend or attach custom functions to observables Perform server side interactions with jQuery Map a JavaScript object or apply JSON data to a new object

ASP.NET MVC 5 with Bootstrap and Knockout.js Jamie Munro,2015-05-18 Bring dynamic server side web content and responsive web design together to build websites that work and display well on any resolution desktop or mobile With this practical book you ll learn how by combining the ASP NET MVC server side language the Bootstrap front end framework and Knockout js the JavaScript implementation of the Model View ViewModel pattern Author Jamie Munro introduces these and other related technologies

by having you work with sophisticated web forms At the end of the book experienced and aspiring web developers alike will learn how to build a complete shopping cart that demonstrates how these technologies interact with each other in a sleek dynamic and responsive web application Build well organized easy to maintain web applications by letting ASP NET MVC 5 Bootstrap and Knockout js do the heavy lifting Use ASP NET MVC 5 to build server side web applications interact with a database and dynamically render HTML Create responsive views with Bootstrap that render on a variety of modern devices you may never code with CSS again Add Knockout js to enhance responsive web design with snappy client side interactions driven by your server side web application *ASP.NET Core 2 Fundamentals* Onur Gumus, Mugilan T. S.

Ragupathi, 2018-08-30 Imagine the boost in business if you can build large rich web applications with little code and built in Windows authentication With this book you can gain skills to develop real world applications with ASP NET Core 2 Key Features Adopts the application centric approach to explain core concepts Covers industry best practices to build flexible robust applications Shows how to enhance your applications by adding more functionalities Book Description The book sets the stage with an introduction to web applications and helps you build an understanding of the tried and true MVC architecture You learn all about views from what is the Razor view engine to tagging helpers You gain insight into what models are how to bind them and how to migrate database using the correct model As you get comfortable with the world of ASP NET you learn about validation and routing You also learn the advanced concepts such as designing Rest Buy a RESTful shopping cart application creating entities for it and creating EF context and migrations By the time you are done reading the book you will be able to optimally use ASP NET to develop unit test and deploy applications like a pro What you will learn Work with basic programming constructs using the Razor view engine Use flexibility and data compartmentalization of ViewModel Build a custom route for ASP NET MVC applications for SEO Optimize applications with performance analysis and improvement steps Improve application performance security and data access to optimize the overall development process Deploy an ASP NET MVC application in a non Windows environment Who this book is for If you are looking to build web applications using ASP NET Core or you want to become a pro in building web applications using the Microsoft technology this is the ideal book for you Prior exposure and understanding of C JavaScript HTML and CSS syntax is assumed

The Art of Micro Frontends Florian Rapp, 2024-10-04 Apply your web development experience with HTML and JavaScript to build micro frontends for large scale web projects independent of frameworks and tooling Key Features Cut through the complexities of designing a monolithic web architecture using micro frontend architecture Explore architecture patterns and their areas of use for building large scale applications Learn how to build test and secure your micro frontends efficiently Purchase of the print or Kindle book includes a free PDF eBook Book Description The organizational pattern of micro frontends allows you to split web applications into multiple parts where each part can be owned by an autonomous team Each team can have its own development and deployment life cycle allowing every part of an application to be shipped

in isolation Following the strategies outlined in this book you can avoid complexity while increasing resilience for your frontend This updated second edition will guide you through the patterns available to implement a micro frontend solution You ll learn about micro frontends the different architecture styles and their areas of use Then you ll learn how to prepare teams for the change to micro frontends as well as how to adjust the user interface UI design and your CSS styles for scalability Starting with the simplest variants of micro frontend architectures the book progresses from static approaches to fully dynamic solutions that allow maximum scalability with faster release cycles In the concluding chapters you ll strengthen the security level of your micro frontend solution while reinforcing your overall knowledge with real world case studies relating to micro frontends By the end of this book you ll be able to decide whether and how micro frontends should be implemented to achieve high scalability for your web app What you will learn Understand how to choose the right micro frontend architecture Use screen designs and isolated styles for compositional UIs Create outstanding developer experiences for micro frontend solutions Introduce governance and boundary checks to manage distributed frontends Share dependencies and expose micro frontends with module federation Build scalable modular web applications from scratch or by migrating an existing monolith Who this book is for This book is for software architects lead developers senior web developers and frontend engineers Beginner level knowledge of HTML and CSS as well as a solid understanding of JavaScript programming and its ecosystem including Node js and npm is assumed

Mobile Web Performance

Optimization S. S. Niranga,2015-12-28 Deliver a better mobile user experience by improving and optimizing your website follow these practical steps for cutting edge application development About This Book Optimize your website or application for an improved mobile performance Learn how to create lightweight intuitive mobile UI and make sure it s supported by a robust application architecture Find out how to improve the performance of your applications by asking the right design questions at each stage in the development workflow Who This Book Is For This book has been created for web developers who want to optimize their website for today s mobile users If you understand just how important user experience is this book is for you it will help you throughout the entire optimization process What You Will Learn Learn the three pillars of mobile performance Find out how to ask and answer crucial design questions such as mobile or responsive Learn how to minify CSS and JavaScript for improved performance Monitor and debug your website with the leading browser testing tools Explore the impact of caching on performance and improve it using JavaScript and CSS frameworks Make third party plugins your friend avoid common issues and pitfalls In Detail With users increasingly accessing the web on mobile devices it s crucial to make sure your website is built to seamlessly fit this radical change in user behavior Mobile Web Performance Optimization is designed to help you do exactly that it s been created to help you build fast and mobile user friendly websites and applications Featuring guidance through a range of techniques and tools essential to modern mobile development this accessible guide will make sure you re delivering a seamless and intuitive experience for your website s users Begin by

exploring the fundamental components of mobile web design and website optimization before learning how to put the concepts into practice Featuring cross platform solutions insights on developing lightweight yet robust UI and insights on how to successfully manage data this application development book takes you through every stage in the development process so you can be confident that you re asking the right questions and using the best tools in the most effective way By the end you ll understand implicitly what it means to build for performance you ll be a more confident developer capable of building projects that adapt to a changing world Style and approach This book takes a step by step approach to mobile web optimization explaining the topics in a conversational and easy to follow style Each topic includes detailed explanations of the basic and advanced features of mobile web optimization

ASP.NET MVC 5 with Bootstrap and Knockout.js Jamie Munro,2015-05-18 Bring dynamic server side web content and responsive web design together to build websites that work and display well on any resolution desktop or mobile With this practical book you ll learn how by combining the ASP NET MVC server side language the Bootstrap front end framework and Knockout js the JavaScript implementation of the Model View ViewModel pattern Author Jamie Munro introduces these and other related technologies by having you work with sophisticated web forms At the end of the book experienced and aspiring web developers alike will learn how to build a complete shopping cart that demonstrates how these technologies interact with each other in a sleek dynamic and responsive web application Build well organized easy to maintain web applications by letting ASP NET MVC 5 Bootstrap and Knockout js do the heavy lifting Use ASP NET MVC 5 to build server side web applications interact with a database and dynamically render HTML Create responsive views with Bootstrap that render on a variety of modern devices you may never code with CSS again Add Knockout js to enhance responsive web design with snappy client side interactions driven by your server side web application

Development with the Force.com Platform Jason Ouellette,2013-11-12 Master Force com Today s Fastest Most Flexible Cloud Development Platform With Salesforce com s Force com platform you can build and deploy powerful cloud based enterprise applications faster than ever before Now Jason Ouellette gives you all the practical technical guidance you need to make the most of the newest Force com releases in your own custom cloud applications Throughout he adds new code and updated best practices for rapidly prototyping building and testing production quality Force com solutions This edition s extensive new coverage includes Developer Console JSON Streaming and Tooling APIs Bulk API Force com Canvas REST integration support for Web MVC frameworks Dynamic Apex and Visualforce and an all new chapter on mobile user interfaces Ouellette covers the entire platform UIs database design analytics security and many other topics His code examples emphasize maintainability flexibility and seamless integration and you can run and adapt all of them with a free Force com Developer Edition account Coverage includes Leveraging Force com s customizable infrastructure to deliver advanced Platform as a Service PaaS solutions Understanding Force com s unique processes tools and architecture Developing a complete application from requirements and use cases through deployment Using the Force com database as a

framework for highly flexible maintainable applications Applying Force com s baked in security including user identity data ownership and fine grained access control Constructing powerful business logic with Apex SOQL and SOSL Adopting asynchronous actions Single Page Applications and other advanced features in Web user interfaces Building intuitive user interfaces with Visualforce and extending them to public facing websites and mobile devices Creating smartphone tablet friendly apps with HTML5 and Visualforce Performing massive data intensive tasks offline with Batch Apex Using Force com integration options including REST SOAP Canvas and the Streaming Bulk Tooling and Metadata APIs Developing internal social applications with Force com s Chatter collaboration tools If you re already building Web or mobile applications take your next giant step into enterprise cloud development with Development with the Force com Platform Third Edition All code examples in this book are available on Github at <http://goo.gl/fjRqMX> and as a Force com IDE project on Github at <https://github.com/jmouel/dev-with-force-3e>

Web Development Recipes Brian P. Hogan,Chris Warren,Mike Weber,Chris Johnson,2015-07-22 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

Getting Started with SharePoint Framework (SPFx) Vipul Jain,2020-05-16 Step by step guide to learn SharePoint Framework DESCRIPTION SharePoint Framework is the new option for developing SharePoint solutions In this book you will learn the basic concepts of SharePoint Framework how you can create modern solutions using modern open source toolchain and JavaScript frameworks

You will also learn how you can work with SharePoint lists and libraries and can implement CRUD create read update and delete operations Later you will also learn how you can work with third party libraries in SPFx solutions and can create real world solutions In the end you will find some frequently asked questions to work effectively with the SharePoint Framework This book will give you in depth knowledge of SharePoint Framework by learning many real time examples in SharePoint Online based on the latest versions of SharePoint Framework

KEY FEATURES Get an overview of the modern toolchain node based development React JS and SharePoint Framework Understand how all the concepts covered in the book can be put to use in developing or building real time applications using SharePoint Framework A Step by Step easy to understand guide for beginners to understand the working of SharePoint Framework

WHAT WILL YOU LEARN Learn the basics of SharePoint Framework and modern toolchain Understand the structure files and folders of a SharePoint Framework web part project Implement web part property panes and develop client side SharePoint Framework web parts Integrate third party libraries like jQuery in SharePoint Framework web part Develop SharePoint Framework extensions which include Application Customizer Field Customizer and ListView Command Set extension Develop library component type in SharePoint Framework

WHO THIS BOOK IS FOR The book is for SharePoint developers Technical specialists Consultants It is also for beginners who are about to start their SharePoint development journey Basic web development knowledge including HTML JavaScript and CSS is a prerequisite

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Modern Web Development with IBM WebSphere Kyle Brown,Roland Barcia,Karl Bishop,Matthew Perrins,2014-05-27 Build Tomorrow s Best Mobile Web Applications with IBM WebSphere Application Server 8 5 and IBM Worklight This guide presents a coherent strategy for building modern mobile web applications that are fast responsive interactive reusable maintainable extensible and a pleasure to use Four IBM experts offer practical hands on coverage of front end development with IBM WebSphere Application Server 8 5 IBM Worklight and today s most popular open source frameworks Using well crafted examples the authors introduce best practices for MobileFirst development helping you create apps that work superbly on mobile devices and add features on conventional browsers Throughout you ll learn better ways to deliver Web 2 0 apps with HTML JavaScript front ends RESTful Web Services and persistent data Proven by IBM and its customers the approach covered in this book leads to more successful mobile web applications and more effective development teams Coverage Includes Developing for MobileFirst moving from graceful degradation to progressive enhancement Quickly delivering lightweight JEE apps with WebSphere Application Server s new Liberty Profile

Implementing an agile user centered page oriented approach to design Constructing REST services with WebSphere Liberty Eclipse and JEE annotations Building better front end application architectures with frameworks and JavaScript Designing and building complex transactional RESTful services that interface with databases and other data sources Building IBM Worklight hybrid apps with open source frameworks jQuery Mobile Backbone Require js and Handlebars Debugging cross platform multi language modern web apps Promoting scalability security and connectivity into the wider enterprise The IBM Press developerWorks Series pairs books with complementary resources on the developerWorks website at <https://www.ibm.com/developerworks/dwbooks>

The Software Encyclopedia, 1988

Modern Web Applications with Next.js: Learn Advanced Techniques to Build and Deploy Modern, Scalable and Production Ready React Applications with Next.js Shubham Jain, Mathew Dony, 2023-11-24 Elevate Your Web Development with Next.js Mastery Key Features Comprehensive Next.js coverage Hands on examples and practical exercises Advanced techniques for web app development Book Description This practical handbook takes you on a journey from foundational principles to advanced techniques offering a complete exploration of Next.js the cutting edge framework for building performant and dynamic web applications Beginning with an introductory overview of web applications utilizing Next.js and JavaScript the book reintroduces React to ensure a strong footing in the core concepts It then delves into the fundamentals of Next.js providing insights into the latest version's core advancements and optimizations It will help you explore the intricacies of Next.js applications including an in depth look at optimizing performance It will then move on to demystify routing in Next.js mastering state management and implementing RESTful and GraphQL APIs By the end of it you will understand the usage of diverse databases and discover the significance of client side and server side rendering in Next.js applications This book also covers crucial aspects of securing applications using NextAuth It will help you learn to develop a complete CRUD application gaining hands on experience and insight into deployment architectures that can turn your projects into scalable and production ready applications What you will learn Learn how to optimize Next.js applications by improving their speed and efficiency for better user experiences Understand the intricate mechanism of routing in Next.js to create dynamic web applications Implement advanced State Management techniques within your Next.js applications for efficient data handling Learn the implementation of both RESTful and GraphQL APIs by their integration into Next.js applications Explore the usage of various databases and understand how to employ them effectively within Next.js applications Learn the practical usage of client side and server side rendering in Next.js applications Table of Contents 1 Introduction to Web Applications with Next.js and JavaScript 2 Recall React 3 Next.js Fundamentals 4 Next.js 13 5 Optimizing Next.js Applications 6 Understanding Routing in Next.js 7 State Management in Next.js 8 Restful and GraphQL API Implementation 9 Using Different Types of Databases 10 Understanding Rendering in Next.js Applications 11 Securing App with Next Auth 12 Developing a CRUD Application with Next.js 13 Exploring Deployment Architecture in Next.js Applications Index

Real-World Next.js Michele Riva, 2022-02-28

Learn how to use Next.js for building web apps without compromising performance, user experience, and developer happiness. Key Features: Develop scalable web applications using Next.js; Use Next.js as a frontend for existing backends and e-commerce websites; and understand how to implement it with any headless CMS. Deploy Next.js on different platforms such as Vercel, DigitalOcean, and AWS, or on your own server.

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Who this book is for: This book is for web developers who want to improve their React skills by building scalable and maintainable full-stack applications using the modern Next.js web framework. Intermediate-level knowledge of ES6, React, Node.js, and REST is assumed.

Getting Started With Knockout.js Andrey Akinshin, 2017-07-17. Knockout.js is intended for professional web developers who need to build dynamic, scalable user interfaces with minimal code. Author Ryan Hodson guides you through the essentials of the library, starting with a brief overview of Knockout and its data-oriented aspects, followed by a thorough examination of binding data to various HTML elements and finally examples of accessing external data and combining Knockout with jQuery animation routines. Complete with code examples and informative diagrams, yet shorter than 100 pages, Knockout.js is the one resource you need for getting started with Knockout as fast as possible. This updated and expanded second edition of the book provides a user-friendly introduction to the subject. Taking a clear, structural framework, it guides the reader through the subject's core elements. A flowing writing style, combined with the use of illustrations and diagrams throughout the text, ensures the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject. We hope you find this book useful in shaping your future career.

Business: Build Dynamic Web Apps With HMPL.js Evan Sterling, 2025-06-03. Modern web development demands tools that are lightweight, fast, and

intuitive HMPL.js is a powerful templating and component based JavaScript library purpose built for developers who want to build highly dynamic and responsive single page applications SPAs without the bulk of complex frameworks With clean syntax seamless integration and reactive rendering HMPL.js bridges the gap between performance and productivity perfect for both hobby projects and scalable production grade apps Written by Evan Sterling a seasoned web engineer with over a decade of front end development experience Build Dynamic Web Apps with HMPL.js distills practical knowledge into a structured real world guide Every concept pattern and technique in this book is grounded in hands on experience making it a trustworthy companion for serious developers This comprehensive tutorial takes you step by step through the entire process of building modern interactive web applications using HMPL.js From mastering templating and reactive components to implementing client side routing and deploying your app to production this book teaches you how to craft maintainable and reusable code that performs well and scales effortlessly You'll also learn advanced optimization techniques asynchronous data handling error management and real world deployment strategies using services like GitHub Pages and Netlify Practical guides to reusable components and reactive UI rendering Seamless routing techniques for building SPAs in HMPL.js Lazy loading code splitting and performance optimization Real world deployment workflows GitHub Pages Netlify Error handling debugging and app maintenance A dedicated HMPL.js reference guide and glossary Full project based learning with professional development best practices This book is for web developers frontend engineers JavaScript enthusiasts and UI designers who want to build efficient scalable and modern web applications Prior experience with HTML CSS and JavaScript ES6 is recommended Whether you're switching from heavier frameworks or starting fresh this book will make you productive fast No fluff just straight to the point tutorials clearly explained code examples and deep yet digestible concepts Even with limited time readers can complete meaningful milestones in every chapter allowing for a fast learning curve without sacrificing depth Start building modern blazing fast web applications with ease Order your copy of Build Dynamic Web Apps with HMPL.js today and master the future of JavaScript templating one component at a time Whether you're launching your first app or scaling production grade SPAs this book gives you the tools structure and insight to succeed **Web**

Development with Node and Express Ethan Brown, 2014-07-01 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

Knockout.js Succinctly Ryan Hodson,2017-02-06 Knockout js Succinctly is intended for professional web developers who need to build dynamic scalable user interfaces with minimal code Author Ryan Hodson guides you through the essentials of the library starting with a brief overview of Knockout and its data oriented aspects followed by a thorough examination of binding data to various HTML elements and finally examples of accessing external data and combining Knockout with jQuery animation routines Complete with code examples and informative diagrams yet shorter than 100 pages Knockout js Succinctly is the one resource you need for getting started with Knockout as fast as possible *Building Real-Time Web Apps with Socket.io* RAFAEL. SANDERS,2025-05-21 Unlock the power of real time communication and learn how to build dynamic web apps that respond instantly to user interactions using Socket io Whether you re new to web development or have experience with other frameworks this hands on guide will teach you everything you need to know to implement real time features in your web applications With Socket io and Node js you ll learn how to build everything from simple chat applications to complex real time notifications collaborative tools and more What you ll learn The basics of real time communication in web development Setting up Socket io with Node js and integrating it into your web apps Handling real time events between the server and the client Building chat applications live notifications and collaborative tools Using rooms and namespaces to manage user connections Broadcasting messages to multiple clients for real time updates Managing client side and server side communication with Socket io Working with WebSockets and long polling for scalable communication Securing real time connections using authentication Optimizing and scaling real time web apps for production use By the end of this book you ll be able to create real time web applications with Socket io that respond instantly to user actions and provide seamless experiences Perfect for web developers who want to integrate real time communication into their web applications using Socket io and Node js

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Knockout Js Building Dynamic Client Side Web Applications Introduction

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