

Angularjs Ui Development

PhoneGap Beginners Guide (third edition) Purusothaman Ramanujam 2015-07-28 Key Features Book Description This book is for web developers who want to be productive in the mobile market quickly. In fact, by using PhoneGap, it's possible to deploy native applications based on web standards. This book assumes a very small knowledge of HTML/CSS/JavaScript and mobile platforms, such as Android, BlackBerry, iOS, and Windows Phone, and takes the reader step-by-step into a deep overview of PhoneGap and its APIs. What you will learn Get acquainted with the fundamentals of PhoneGap Use HTML, CSS, and JavaScript to create, debug, and deploy your own mobile applications Work with mobile-specific frameworks such as iOS and Android to design your applications Install and work with all PhoneGap/Cordova

plugins Implement device-oriented APIs related to contacts, files, the camera, and geolocations Use PhoneGap/Cordova events for accessibility Enhance and optimize your application for realtime environments Who this book is for *Angularjs Ui Development* Amit Gharat 2014-10-24 This book is for anyone who is interested in solving UI problems with AngularJS. Working knowledge of JavaScript, HTML, and CSS is assumed.

Angular UI Development with PrimeNG Oleg Varaksin 2017-07-27 Unleash the power of PrimeNG components to design compelling user interface for your Angular applications Key Features Detailed insights into PrimeNG concepts, components and features with examples to help you make excellent User Interfaces for Angular web apps. Get familiar with themes, layouts and customization in

real world applications. Develop Angular applications rapidly using advance tools and standards with best practices. Book Description PrimeNG is a leading UI component library for Angular applications with 80+ rich UI components. PrimeNG was a huge success in the Angular world and very quickly. It is a rapidly evolving library that is aligned with the last Angular release. In comparison with competitors, PrimeNG was created with enterprise applications in mind. This book provides a head-start to help readers develop real-world, single-page applications using the popular development stack. This book consists of 10 chapters and starts with a short introduction to single-page applications. TypeScript and Angular fundamentals are important first steps for subsequent PrimeNG topics. Later we discuss how to set up and configure a PrimeNG application in different ways as a kick-start. Once the environment is ready then it is time to learn PrimeNG

development, starting from theming concepts and responsive layouts. Readers will learn enhanced input, select, button components followed by the various panels, data iteration, overlays, messages and menu components. The validation of form elements will be covered too. An extra chapter demonstrates how to create map and chart components for real-world applications. Apart from built-in UI components and their features, the readers will learn how to customize components to meet their requirements. Miscellaneous use cases are discussed in a separate chapter, including: file uploading, drag and drop, blocking page pieces during AJAX calls, CRUD sample implementations, and more. This chapter goes beyond common topics, implements a custom component, and discusses a popular state management with @ngrx/store. The final chapter describes unit and end-to-end testing. To make sure Angular and PrimeNG development are

flawless, we explain full-fledged testing frameworks with systematic examples. Tips for speeding up unit testing and debugging Angular applications end this book. The book is also focused on how to avoid some common pitfalls, and shows best practices with tips and tricks for efficient Angular and PrimeNG development. At the end of this book, the readers will know the ins and outs of how to use PrimeNG in Angular applications and will be ready to create real-world Angular applications using rich PrimeNG components. What you will learn - Setup PrimeNG projects with SystemJS, Webpack, and Angular CLI. - Use theming concepts and layouts with grid systems and Bootstrap. - Work with enhanced input, select, button and panel components. - Apply countless DataTable features: sorting, filtering, grouping, and templating. - Meet data iteration components: DataList, DataGrid, Tree, and so on. - Build endless menu variations: SlideMenu, TieredMenu,

MegaMenu, and so on. - Visualize your data representations with PrimeNG charts and GMap components. - Adopt best practices such as state management with @ngrx/store. - Write unit and end-to-end tests with Jasmine, Karma, and Protractor. Who this book is for This book is for everybody who would like to learn or create modern Angular based single page applications using PrimeNG component library. This book is a good choice for beginners to advanced users who are serious to learn modern Angular applications. The prerequisites for this book are some basic knowledge on the Angular 2+ version with TypeScript and CSS skills.

Java EE 7 Web Application Development Peter Pilgrim

2015-09-30 Develop Java enterprise applications to meet the emerging digital standards using Java EE 7 Key Features Build modern Java EE web applications that insert, update, retrieve, and delete customer data with up-to-date methodologies Delve into the

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essential JavaScript programming language and become proficient with front-end technologies that integrate with the Java platform Learn about JavaServer Faces, its lifecycle, and custom tags, and build exciting digital applications with the aid of handpicked, real-world examples Book

Description Digital Java EE 7 presents you with an opportunity to master writing great enterprise web software using the Java EE 7 platform with the modern approach to digital service standards. You will first learn about the lifecycle and phases of JavaServer Faces, become completely proficient with different validation models and schemes, and then find out exactly how to apply AJAX validations and requests. Next, you will touch base with JSF in order to understand how relevant CDI scopes work. Later, you'll discover how to add finesse and pizzazz to your digital work in order to improve the design of your e-commerce application. Finally,

you will deep dive into AngularJS development in order to keep pace with other popular choices, such as Backbone and Ember JS. By the end of this thorough guide, you'll have polished your skills on the Digital Java EE 7 platform and be able to create exiting web application. What you will learn Understand and apply updated JavaServer Faces key features including HTML5 support, resource library constructs, and pass through attributes, Build web applications that conform to digital standards and governance, and leverage the Java EE 7 web architecture Construct modern JSF Forms that apply validation, add AJAX for immediate validation, and write your own validators Augment a traditional web application with JSF 2.2 Flow Beans and Flow Scope Beans Program single page applications including AngularJS, and design Java RESTful back-end services for integration Utilize modern web frameworks such as Bootstrap and Foundation in your JSF

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applications Create your own JSF custom components that generate reusable content for your stakeholders and their businesses Who this book is for If you are a professional Java engineer and want to develop well-rounded and strong Java Web Development skills, then this book is for you.

Fundamentals of Software

Architecture Craig Risi

2025-05-30 DESCRIPTION

With the rising complexity of modern software systems, strong, scalable software architecture has become the backbone of any successful application. This book gives you the essential knowledge to grasp the core ideas and methods of effective software design, helping you build strong, flexible systems right from the start. The book systematically navigates the critical aspects of software architecture, commencing with a clear definition of its significance and the pivotal role of the software architect. It delves into fundamental architectural properties like performance, security, and

maintainability, underscoring the importance of modularity in crafting well-structured systems. You will explore various established architectural styles, including microservices and layered architecture, alongside key design patterns such as MVC and repository, gaining insights into their practical application. The book further elucidates the function of software components, the art of architecting for optimal performance and security, and essential design principles for building robust solutions. Finally, it examines the impact of modern development practices (Agile, DevOps), positions architecture within the broader engineering context, emphasizes the importance of testing at the architectural level, and offers a glimpse into current and future trends shaping the field. By the end of this book, you will have a solid understanding of the core concepts, helping you to contribute effectively to software design discussions, make informed architectural

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decisions, and build a strong foundation for creating high-quality, future-proof software systems. WHAT YOU WILL LEARN ● Define core architecture, architect roles, and fundamental design attributes. ● Apply modularity principles for resilient and adaptable software design. ● Design cohesive components, manage coupling, and optimize system decomposition. ● Cultivate essential soft skills for effective leadership and stakeholder management. ● Define technical requirements and understand modern development practices. WHO THIS BOOK IS FOR This book is for software developers, technical leads, and anyone involved in software creation, seeking a foundational understanding of software architecture principles and practices to enhance their design skills and project outcomes. TABLE OF CONTENTS Prologue 1. Defining Software Architecture 2. The Role of a Software Architect 3. Architectural Properties 4. The Importance

of Modularity 5. Architectural Styles 6. Architectural Patterns 7. Component Architecture 8. Architecting for Performance 9. Architecting for Security 10. Design and Presentation 11. Evolutionary Architecture 12. Soft Skills for Software Architects 13. Writing Technical Requirements 14. Development Practices 15. Architecture as Engineering 16. Testing in Software Architecture 17. Current and Future Trends in Software 18. Synthesizing Architectural Principles Appendix
Learn Angularjs in 1 Day
Krishna Rungta 2018-08-09
Angular JS is responsible for making the website interactive and responsive. It helps designer and developers to eliminate much of the code usually needed for websites development. Angular JS is based upon MVC model. To learn and harness more power of the Angular JS framework, it takes a continuous intervention from an expert. But if you like to learn by yourself without spending big bucks behind expensive courses. This e-book

could be your ultimate guide to AngularJS or AngularJS 2 Programming. The book covers all basic fundamentals of Angular JS like Routes, Modules, Directives, Dependency Injection and so on. The images and examples are well-illustrated addressing each and every glitch of Angular JS. The book purpose is to make Angular JS easier, simpler and interesting such that even beginners will feel like a pro at the end of the book. This edition promises your eventual mastery of AngularJS. The best thing about the book is that it is small and can be completed in a day. It will not only save your time but also accomplish our goal to save your effort in learning all needless jargons of Angular JS. With this e-book, you will be ready to create angular UI development as well as large scale applications effortlessly. Table Of Content

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Mastering Microservices with Java 9 Sourabh Sharma
2017-12-07 Master the art of implementing scalable microservices in your production environment with ease About This Book Use domain-driven design to build microservices Use Spring

Cloud to use Service Discovery and Registration Use Kafka, Avro and Spring Streams for implementing event based microservices Who This Book Is For This book is for Java developers who are familiar with the microservices architecture and now wants to take a deeper dive into effectively implementing microservices at an enterprise level. A reasonable knowledge level and understanding of core microservice elements and applications is expected. What You Will Learn Use domain-driven design to design and implement microservices Secure microservices using Spring Security Learn to develop REST service development Deploy and test microservices Troubleshoot and debug the issues faced during development Learning best practices and common principals about microservices In Detail Microservices are the next big thing in designing scalable, easy-to-maintain applications. It not only makes app development easier, but also offers great flexibility to

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utilize various resources optimally. If you want to build an enterprise-ready implementation of the microservices architecture, then this is the book for you! Starting off by understanding the core concepts and framework, you will then focus on the high-level design of large software projects. You will gradually move on to setting up the development environment and configuring it before implementing continuous integration to deploy your microservice architecture. Using Spring security, you will secure microservices and test them effectively using REST Java clients and other tools like RxJava 2.0. We'll show you the best patterns, practices and common principals of microservice design and you'll learn to troubleshoot and debug the issues faced during development. We'll show you how to design and implement reactive microservices. Finally, we'll show you how to migrate a monolithic application to microservices based

application. By the end of the book, you will know how to build smaller, lighter, and faster services that can be implemented easily in a production environment. Style and approach This book starts from the basics, including environment setup and provides easy-to-follow steps to implement the sample project using microservices.

Material Design

Implementation with AngularJS

V. Keerti Kotaru 2016-08-25

Build high-quality web and mobile user interfaces (UI) that are interactive, fluid, and provide a consistent experience across devices from desktops to tablets to smartphones. Use a Material Design approach to position elements and create animations along with principles of the sophisticated AngularJS JavaScript framework. Take advantage of Angular Material, a UI component framework that works out of the box to design web pages that adapt to various screen sizes and adhere to Material Design specifications. What You Will

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Learn: Develop a UI that adheres to Material Design principles using Angular Material, a UI component framework Use various Angular Material elements, directives, and services in conjunction with CSS3 Flexbox for layout management Use best practice design techniques to develop a responsive UI to fit multiple devices and screen sizes from desktop to tablet to mobile phone Develop web apps for both mobile and desktop form factors and screen sizes using HTML, CSS, and JavaScript Who This Book Is For: Web and mobile app developers with a basic understanding of JavaScript, HTML, and CSS

Mastering Web Application Development with AngularJS

Pawel Kozlowski 2013 The book will be a step-by-step guide showing the readers how to build a complete web app with AngularJS JavaScript developers who want to learn AngularJS for developing web apps. Knowledge of JavaScript and HTML is expected. No knowledge of AngularJS is

required.

Professional AngularJS

Valeri Karpov 2015-04-17 A comprehensive guide to AngularJS, Google's open-source client-side framework for app development. Most of the existing guides to AngularJS struggle to provide simple and understandable explanations for more advanced concepts. As a result, some developers who understand all the basic concepts of AngularJS struggle when it comes to building more complex real-world applications. Professional AngularJS provides a thorough understanding of AngularJS, covering everything from basic concepts, such as directives and data binding, to more advanced concepts like transclusion, build systems, and automated integration testing. In addition to explaining the features of AngularJS, this book distills real-world experience on how these features fit together to enable teams to work together more effectively in building extraordinary apps. Offers a

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more thorough and comprehensive approach to AngularJS Includes pointers to other advanced topics Lets you build a simple application from scratch, explaining basic building blocks along the way for quick hands-on learning

Learn AngularJS in 24 Hours

Alex Nordeen
2020-09-15 Angular JS is responsible for making the website interactive and responsive. It helps designer and developers to eliminate much of the code usually needed for websites development. Angular JS is based upon MVC model. To learn and harness more power of the Angular JS framework, it takes a continuous intervention from an expert. But if you like to learn by yourself without spending big bucks behind expensive courses. This e-book could be your ultimate guide to AngularJS or AngularJS 2 Programming. The book covers all basic fundamentals of Angular JS like Routes, Modules, Directives, Dependency Injection and so on. The images and examples

are well-illustrated addressing each and every glitch of Angular JS. The book purpose is to make Angular JS easier, simpler and interesting such that even beginners will feel like a pro at the end of the book. This edition promises your eventual mastery of AngularJS. The best thing about the book is that it is small and can be completed in a day. It will not only save your time but also accomplish our goal to save your effort in learning all needless jargons of Angular JS. With this e-book, you will be ready to create angular UI development as well as large scale applications effortlessly. Table Of Content
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ng-hide AngularJS Event Listener Directives Chapter 15: Routing with Parameters Adding Angular Route (\$routeProvider) Creating a default route Accessing parameters from the route Using Angular \$route service Enabling HTML5 Routing Chapter 16: AJAX Call High-level interactions with servers using \$resource Low-level server interactions with \$http Fetching data from a server running SQL and MySQL Chapter 17: Table Populate & Display Data in a Table AngularJS in-built Filter Sort Table with OrderBy Filter Display Table with Uppercase Filter Display the Table Index (\$index) Chapter 18: Form Validation Form validation using HTML5 Form validation using \$dirty, \$valid, \$invalid, \$pristine Form validation using AngularJS Auto Validate User feedbacks with Ladda buttons Chapter 19: Form Submit Chapter 20: ng-include Client Side includes Server Side Includes How to include HTML file in AngularJS Chapter 21: Dependency Injection Which

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Example of Dependency Injection Chapter 22: Karma Jasmine Introduction & Installation of Karma framework Testing AngularJS Controllers Testing AngularJS Directives End to End Testing AngularJS JS applications Chapter 23: Protractor Testing Why Do We Need Protractor Framework? Protractor Installation Sample AngularJS application testing using Protractor Execution of the Code Generate Reports using Jasmine Reporters
A Journey to Angular Development Sukesh Marla 2021-07-13 Learn Angular beyond basic concepts - best practices and project experience. **KEY FEATURES** ● Includes real examples and numerous illustrated use-cases on how to build dynamic and interactive web applications. ● Covers true challenges faced by Angular professionals along with proven solutions and best practices. ● Discusses various kinds of best practices followed in Angular applications. ●

Makes you travel through a journey of 20 stations. Each station comes with new excitement and new challenges. ● Covers practical examples with real-time discussions. **DESCRIPTION**
This book is an exciting journey where novice developers learn everything they need to do before they start working on the Angular framework and develop dynamic web applications. The book begins with building a strong foundation on the concepts of web application development and numerous developer-friendly terminologies that you would often come across while learning Angular. It covers the essentials of ES6, Webpack, and TypeScript to write Angular applications and make the development of Angular apps more enticing, innovative, and scalable. The book talks about modules, directives, components, data binding, routing, and many more components and functions. Each of these topics is backed with real examples and illustrations. By the end of this

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book, you will learn about Angular's powerful features and capabilities. You will become a confident developer to design your own modern, responsive, and user-friendly web applications all by yourself using this single source of knowledge. WHAT YOU WILL LEARN ● Master fundamental concepts of Angular and its Architecture. ● Witness the true potential of Angular for building composable components. ● Become well versed with the file and folder structure of an Angular application. ● Learn to write clean, simple and error-free codes like a sound professional developer. ● Learn the essentials of ES6, Typescript and Webpack to write angular applications..1. WHO THIS BOOK IS FOR This book is for all web developers, software programmers, front-end developers, and entry-level developers who want to learn Angular or enhance the existing Angular applications to modern and responsive applications. Basic knowledge of JavaScript is an advantage to

begin with this book. TABLE OF CONTENTS 1. Introduction 2. Get Your Basics Stronger 3. ES6 Features Part 1 4. ES6 Features Part 2 5. ES6 Features Part 3 6. ES6 Features Part 4 7. Webpack 8. TypeScript 9. Angular the Beginning 10. Angular First App 11. Beautify the Angular UI with Bootstrap CSS 12. Authentication 13. Authentication Service 14. Unsubscribe 15. Logout and Route Guard Cleanup 16. Customer Service 17. Http Service 18. Token Interceptor 19. Multi Provider 20. Compile-time Configuration 21. Runtime Configuration 22. Error Handling 23. The Component-Oriented Style in Action 24. Angular Routing 25. Angular Modules 26. Angular Pipes 27. Angular Directives 28. Angular Forms 29. Angular Styles 30. Angular Change Detection 31. Angular Elements 32. Left Over

Mastering AngularJS UI Development Leon Revill 2015

"Developing powerful, interactive modern web applications is a complex endeavor. Enter AngularJS, the

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framework par excellence which has clearly emerged the winning solution, due to its simplicity and extensive range of features, including Two Way Data-Binding and Directives. These features enable a developer to write flexible and testable front-end code, and ultimately to build efficient, photogenic web applications. Firstly, you will start out with a skeleton application and apply best practices for creating controllers and implementing services. Then, you will learn how to connect the application to an API and add various features to it such as search, tracking, and rating functionalities. You will also learn how to persist data with local storage. Here we move on to beautifying your app by creating various components and reusing them with the help of directives. You'll build attractive forms to validate your users and make your app secure. After that, you will learn different ways to troubleshoot issues with routes, two-way bindings, animations, and isolated

scopes. With best practices engrained throughout, and many advanced concepts explained, after this course you will be able to build better, fantastic-looking AngularJS applications."--Resource description page.

Node.js High Performance

Diogo Resende 2015-08-19 Key Features Book DescriptionTake your application to the next level of high performance using the extensive capabilities of Node.js About This Book Analyze, benchmark, and profile your Node.js application to find slow spots, and push it to the limit by eliminating performance bottlenecks Learn the basis of performance analysis using Node.js Explore the high performance capabilities of Node.js, along with best practices In Detail Node.js is a tool written in C, which allows you to use JavaScript on the server-side. High performance on a platform like Node.js is knowing how to take advantage of every aspect of your hardware, helping memory management act at its best,

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and correctly deciding how to architect a complex application. Do not panic if your applications start consuming a lot of memory; instead spot the leak and solve it fast with Node.js by monitoring and stopping it before it becomes an issue. This book will provide you with the skills you need to analyze the performance of your application and monitor the aspects that can and should be. Starting with performance analysis concepts and their importance in helping Node.js developers eliminate performance bottlenecks, this book will take you through development patterns to avoid performance penalties. You will learn the importance of garbage collection and its behaviour, and discover how to profile your processor, allowing better performance and scalability. You will then learn about the different types of data storage methods. Moving on, you will get to grips with testing and benchmarking applications to avoid unknown application test zones. Lastly,

you will explore the limits that external components can impose in your application in the form of bottlenecks. By following the examples in each chapter, you will discover tips to getting better performing applications by avoiding anti-patterns and stretching the limits of your environment as much as possible. What You Will Learn Develop applications using well-defined and well-tested development patterns Explore memory management and garbage collection to improve performance Monitor memory changes and analyze heap snapshots Profile the CPU and improve your code to avoid patterns that force intensive processor usage Understand the importance of data and when you should cache information Learn to always test your code and benchmark when needed Extend your application's scope and know what other elements can influence performance Who This Book Is For This book is for Node.js developers who want a more in-depth knowledge of the platform to

improve the performance of their applications. Whether you have a base Node.js background or you are an expert who knows the garbage collector and wants to leverage it to make applications more robust, the examples in this book will benefit you. Style and approach This is a practical guide to learning high performance, which even the least experienced developer will comprehend. Small and simple examples help you test concepts yourself and easily adapt them to any application, boosting its performance and preparing it for the real-world. What you will learn Who this book is for

Hands-On Full-Stack Web Development with ASP.NET Core Tamir Dresher

2018-10-31 Become a full-stack developer by learning popular Microsoft technologies and platforms such as .NET Core, ASP.NET Core, Entity Framework, and Azure Key Features Bring static typing to web development with features compatible in TypeScript 3 Implement a slim marketplace

single page application (SPA) in Angular, React, and Vue Modernize your web apps with Microsoft Azure, Visual Studio, and Git Book Description Today, full-stack development is the name of the game. Developers who can build complete solutions, including both backend and frontend products, are in great demand in the industry, hence being able to do so a desirable skill. However, embarking on the path to becoming a modern full-stack developer can be overwhelmingly difficult, so the key purpose of this book is to simplify and ease the process. This comprehensive guide will take you through the journey of becoming a full-stack developer in the realm of the web and .NET. It begins by implementing data-oriented RESTful APIs, leveraging ASP.NET Core and Entity Framework. Afterward, it describes the web development field, including its history and future horizons. Then, you'll build webbased Single-Page Applications (SPAs) by learning about numerous popular

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technologies, namely TypeScript, Angular, React, and Vue. After that, you'll learn about additional related concerns involving deployment, hosting, and monitoring by leveraging the cloud; specifically, Azure. By the end of this book, you'll be able to build, deploy, and monitor cloud-based, data-oriented, RESTful APIs, as well as modern web apps, using the most popular frameworks and technologies. What you will learn Build RESTful APIs in C# with ASP.NET Core, web APIs, and Entity Framework See the history and future horizons of the web development field Bring static-typing to web apps using TypeScript Build web applications using Angular, React, and Vue Deploy your application to the cloud Write web applications that scale, can adapt to changes, and are easy to maintain Discover best practices and real-world tips and tricks Secure your backend server with Authentication and Authorization using OAuth 2.0 Who this book is for This book is for developers who are keen

on strengthening their skills in the field of cloud-based full-stack web development. You need basic knowledge of web-related pillars, including HTML, CSS, and JavaScript, as well as C# and REST. This book targets novice developers in the realm of Web development and ASP.NET who desire to advance to modern Web and ASP.NET Core development and leverage the Cloud to manage and bring everything together.

Decoding JavaScript Design Patterns Rushabh Mulraj Shah
2025-04-25 DESCRIPTION In today's digitally powered world, JavaScript lies at the heart of nearly every web application. From dynamic user interfaces to behind-the-scenes logic, JavaScript enables everything from online shopping to learning new skills and connecting with global communities. This book is your guide to mastering JavaScript through design patterns - proven solutions that make applications scalable, robust, and adaptable to ever-changing demands. This book guides you

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through the essential world of JavaScript design patterns, beginning by introducing the three main categories of design patterns - creational, structural, and behavioral. Further, readers will learn how to manage asynchronous behavior and integrate them with modern frameworks like React and Vue. Advanced concepts like MVC and MVVM are explained, along with their role in web architecture and scalability. You will learn how to use patterns to enhance unit testing, uncover the process of creating custom patterns, offer insights into common pitfalls and real-world applications used by companies like Google and Airbnb. Whether you are a seasoned developer or just starting your JavaScript journey, by the end of this book, you will be equipped to write cleaner, more efficient JavaScript code, and confidently apply design patterns to solve complex problems. You will have the knowledge to build better web architectures, and understand how to test your code more

effectively, positioning you as a competent and skilled JavaScript developer. WHAT YOU WILL LEARN ● Apply core JavaScript design patterns to craft scalable applications. ● Enhance code maintainability with creational, structural, and behavioral patterns. ● Optimize asynchronous operations using throttling, debouncing, and promises. ● Integrate design patterns with modern front-end frameworks like React and Vue. ● Create custom design patterns tailored to unique project requirements. ● Identify and avoid common JavaScript and design pattern implementation pitfalls. ● Understand advanced architectural patterns like MVC, MVP, and MVVM. WHO THIS BOOK IS FOR This book is a perfect guide for JavaScript developers, web architects, and tech enthusiasts looking to optimize code, build scalable applications, and master design patterns. This book is also for testers aiming to improve unit test efficiency. TABLE OF CONTENTS 1. Introduction to

JavaScript Design Patterns 2. Creational Design Patterns 3. Structural Design Patterns 4. Behavioral Design Patterns 5. Asynchronous Performance Design Patterns 6. Design Patterns in React 7. Design Patterns in Vue 8. Advanced Design Patterns in JavaScript 9. Design Patterns for Web Architects 10. Testing and Design Patterns 11. Writing and Creating Design Patterns 12. Common Pitfalls and How to Avoid Them 13. Case Studies

Test-Driven JavaScript Development Ravi Kumar Gupta 2015-12-18 Learn JavaScript test-driven development using popular frameworks and tools Key Features [*] Learn the life cycle of TDD and its importance in real-world application [*] Gain knowledge about popular tools and analyze features, syntax, and how they help in JavaScript testing [*] Implement test-driven programming exercises using the practical code examples Book

Description Initially, all processing used to happen on

the server-side and simple output was the response to web browsers. Nowadays, there are so many JavaScript frameworks and libraries created that help readers to create charts, animations, simulations, and so on. By the time a project finishes or reaches a stable state, so much JavaScript code has already been written that changing and maintaining it further is tedious. Here comes the importance of automated testing and more specifically, developing all that code in a test-driven environment. Test-driven development is a methodology that makes testing the central part of the design process - before writing code developers decide upon the conditions that code must meet to pass a test. The end goal is to help the readers understand the importance and process of using TDD as a part of development. This book starts with the details about test-driven development, its importance, need, and benefits. Later the book introduces popular tools and frameworks

like YUI, Karma, QUnit, DalekJS, JsUnit and goes on to utilize Jasmine, Mocha, Karma for advanced concepts like feature detection, server-side testing, and patterns. We are going to understand, write, and run tests, and further debug our programs. The book concludes with best practices in JavaScript testing. By the end of the book, the readers will know why they should test, how to do it most efficiently, and will have a number of versatile tests (and methods for devising new tests) to get to work immediately. What you will learn

- [*] Basic TDD fundamentals, life cycle, and benefits
- [*] Become acquainted with the concepts and elements of unit testing and writing basic unit tests for JavaScript
- [*] Understand the way JsUnit, Qunit, Karma and DalekJs work
- [*] Use the Jasmine framework
- [*] Interpret feature detection and devise tests specific to cross-browser compatibility
- [*] Integrate jsTestDriver with Eclipse and run tests with jsTestDriver
- [*] Explore refactoring, adding and notifying

observers

- [*] Understand test-driven development in case of server-side JS

Who this book is for
If you have an intermediate knowledge of HTML, CSS, and JavaScript and want to learn how and why the test-driven development approach is better for your assignments, then this book is for you.

AngularJS: Up and Running

Shyam Seshadri 2014-09-08

Annotation Develop smaller, lighter web apps that are simple to create and easy to test, extend, and maintain as they grow. This hands-on guide introduces you to AngularJS, the open source JavaScript framework that uses model-view-controller (MVC) architecture, data binding, client-side templates and dependency injection to create a much-needed structure for building web apps.

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Create microservices from scratch and convert JHipster monolith apps into microservices. Build and deploy applications locally, in Docker and on various cloud platforms. Book Description JHipster is a development platform to generate, develop, and deploy Spring Boot and Angular/React applications and Spring microservices. It provides you with a variety of tools that will help you quickly build modern web applications. This book will be your guide to building full stack applications with Spring and Angular using the JHipster tool set. You will begin by understanding what JHipster is and the various tools and technologies associated with it. You will learn the essentials of a full stack developer before getting hands-on and building a monolithic web application with JHipster. From here you will learn the JHipster Domain Language with entity modeling and entity creation using JDL and JDL studio. Moving on, you will be introduced to client side technologies such as Angular

and Bootstrap and will delve into technologies such as Spring Security, Spring MVC, and Spring Data. You will learn to build and package apps for production with various deployment options such as Heroku and more. During the course of the book, you will be introduced to microservice server-side technologies and how to break your monolithic application with a database of your choice. Next, the book takes you through cloud deployment with microservices on Docker and Kubernetes. Going forward, you will learn to build your client side with React and master JHipster best practices. By the end of the book, you will be able to leverage the power of the best tools available to build modern web applications. What you will learn Build business logic by creating and developing entity models us the JHipster Domain Language Customize web applications with Angular, Bootstrap and Spring Tests and Continuous Integration with Jenkins Utilize the JHipster microservice stack, which

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includes Netflix Eureka, Spring Cloud config, HashiCorp Consul, and so on. Understand advanced microservice concepts such as API rout, load balancing, rate limit, circuit break, centralized configuration server, JWT authentication, and more Run microservices locally using Docker and Kubernetes (in production) Who this book is for This book will appeal to developers who would like to build modern web applications quickly. A basic knowledge of the Spring ecosystem would be an added advantage.

AngularJS Web Application Development Blueprints

Vinci J Rufus 2014-08-25 Key Features Book DescriptionIf you are a web application developer interested in using AngularJS for a real-life project, then this book is for you. As a prerequisite, knowledge of JavaScript and HTML is expected, and a working knowledge of AngularJS is preferred.What you will learn Gain a powerful understanding of AngularJS and singlepage applications

that you can apply to your own development projects Explore AngularJS directives feature and write your own custom directives Build complete and professional applications ranging from social media and mobile web applications to CMS and an ecommerce store Discover strategies and techniques for harnessing REST web services and Facebook APIs in your applications Deploy applications using the highly scalable Amazon Web Services cloud solution Develop rapid prototypes to create an impressive UI using Bootstrap's grid system Get to grips with MEAN web development and create a CMS with a MEAN stack Who this book is for

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