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Pro JSF and HTML5 Zubin Wadia 2014-01-20 Pro JSF and HTML5 shows you how to leverage the full potential of JavaServer Faces (JSF) and HTML5. This book is for Java developers who aspire to build sophisticated, enterprise-grade web experiences with HTML5-enabled JSF. Written by JSF experts and verified by established community figures, this book will serve as your primary resource, helping you build or integrate well-designed HTML5-enabled JSF components into your rich internet applications. Pro JSF and HTML5 starts by giving you a firm grounding in the design principles of component-based frameworks and the basics of JSF. It then details recent advancements in JSF 2.2 that make it friendlier, faster, and more productive than ever before. And it covers HTML5-enabled components, integration with JEE7 standards, 3rd party component libraries, security, and performance. The book concludes with a real-world application that puts everything you learned into practice. In this book you’ll learn Foundational JSF topics such as the component life cycle, framework architecture, managed beans and CDI, expression language, conversion and validation, JSF events and view parameters. Leveraging new features in JSF 2.2 such as Faces Flow, Resource Library Contracts, and Ajax file uploading. Developing Advanced HTML5 enabled components in JSF 2.2. Creating JSF 2.2 applications that utilize Java EE 7 technologies (CDI, JPA 2.1 and EJB 3.2) for bean management, transaction management and persistence. Building advanced real-world JSF applications with considerations for security, performance, and usability. If you’re a Java developer interested in the world of component-based frameworks, Pro JSF and HTML5 is for you.

JavaServer Faces Hans Bergsten 2004-04-22 JavaServer Faces, or JSF, brings a component-based model to web application development that's similar to the model that's been used in standalone GUI applications for years. The technology builds on the experience gained from Java Servlets, JavaServer Pages, and numerous commercial and open source web application frameworks that simplify the development process. In JavaServer Faces, developers learn how to use this new framework to build real-world web applications. The book contains everything you’ll need: how to construct the HTML on the front end; how to create the user interface components that connect the front end to your business objects; how to
write a back-end that's JSF-friendly; and how to create the deployment descriptors that tie everything together. JavaServer Faces pays particular attention to simple tasks that are easily ignored, but crucial to any real application: working with tabular data, for example, or enabling and disabling buttons. And this book doesn't hide from the trickier issues, like creating custom components or creating renderers for different presentation layers. Whether you're experienced with JSF or a just starting out, you'll find everything you need to know about this technology in this book. Topics covered include: The JSF environment Creating and rendering components Validating input Handling user-generated events Controlling page navigation Working with tabular data Internationalization Integration between JSF and Struts Developing custom renderers and custom components JavaServer Faces is a complete guide to the crucial new JSF technology. If you develop web applications, JSF belongs in your toolkit, and this book belongs in your library. JavaScript Patterns Stoyan Stefanov 2010-09-09 What's the best approach for developing an application with JavaScript? This book helps you answer that question with numerous JavaScript coding patterns and best practices. If you're an experienced developer looking to solve problems related to objects, functions, inheritance, and other language-specific categories, the abstractions and code templates in this guide are ideal—whether you're using JavaScript to write a client-side, server-side, or desktop application. Written by JavaScript expert Stoyan Stefanov—Senior Yahoo! Technical and architect of YSlow 2.0, the web page performance optimization tool—JavaScript Patterns includes practical advice for implementing each pattern discussed, along with several hands-on examples. You'll also learn about anti-patterns: common programming approaches that cause more problems than they solve. Explore useful habits for writing high-quality JavaScript code, such as avoiding globals, using single var declarations, and more. Learn why literal notation patterns are simpler alternatives to constructor functions. Discover different ways to define a function in JavaScript. Create objects that go beyond the basic patterns of using object literals and constructor functions. Learn the options available for code reuse and inheritance in JavaScript. Study sample JavaScript approaches to common design patterns such as Singleton, Factory, Decorator, and more. Examine patterns that apply specifically to the client-side browser environment. Pro Node.js for Developers Colin J. Ihrig 2013-11-25 Since it’s creation in 2009, Node.js has grown into a powerful and increasingly popular asynchronous-development framework for creating highly-scalable network applications using JavaScript. Respected companies such as Dow Jones and LinkedIn are among the many organizations to have seen Node’s potential and adopted it into their businesses. Pro Node.js for Developers provides a comprehensive guide to this exciting new technology. We introduce you to Node—what it is, why it matters and how to set it up—before diving deeply into the key concepts and APIs that underpin its operation. Building upon your existing JavaScript skills you’ll be shown how to use Node.js to build both Web- and Network-based applications, to deal with data sources, capture events and deal with child processes to create robust applications that will work well in a wide range of circumstances. Once
you've mastered these skills we'll go further, teaching you more advanced software engineering skills that will give your code a professional edge. You'll learn how to create easily reusable modules that will save you time through code reuse, to log and debug your applications quickly and effectively and to write code that will scale easily and reliably as the demand for your application grows. What you'll learn Install, configure and deploy Node.js apps effectively Understand the Node.js asynchronous programming model in detail Create both web and network-based Node.js applications with ease Learn to work effectively with varied data sources and file types Discover advanced software engineering concepts that will save you time and promote code reuse Who this book is for This book is for developers who already have a working knowledge of JavaScript and are interested in adopting Node.js into their projects. All other concepts will be introduced from first-principals.

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Real-Time Simulation Technologies: Principles, Methodologies, and Applications

Katalin Popovici

2012-08-17 Real-Time Simulation Technologies: Principles, Methodologies, and Applications is an edited compilation of work that explores fundamental concepts and basic techniques of real-time simulation for complex and diverse systems across a broad spectrum. Useful for both new entrants and experienced experts in the field, this book integrates coverage of detailed theory, acclaimed methodological approaches, entrenched technologies, and high-value applications of real-time simulation—all from the unique perspectives of renowned international contributors. Because it offers an accurate and otherwise unattainable assessment of how a system will behave over a particular time frame, real-time simulation is increasingly critical to the optimization of dynamic processes and adaptive systems in a variety of enterprises. These range in scope from the maintenance of the national power grid, to space exploration, to the development of virtual reality programs and cyber-physical systems. This book outlines how, for these and other undertakings, engineers must assimilate real-time data with computational tools for rapid decision making under uncertainty. Clarifying the central concepts behind real-time simulation tools and techniques, this one-of-a-kind resource: Discusses the state of the art, important challenges, and high-impact developments in simulation technologies Provides a basis for the study of real-time simulation as a fundamental and foundational technology Helps readers develop and refine principles that are applicable across a wide variety of application domains As science moves toward more advanced technologies, unconventional design approaches, and unproven regions of the design space, simulation tools are increasingly critical to successful design and operation of technical systems in a growing number of application domains. This must-have resource presents detailed coverage of real-time simulation for system design, parallel and distributed simulations, industry tools, and a large set of applications.

Tapestry 5 Alexander Kolesnikov
2008-01-15 This book is a practical step-by-step tutorial for those who want to build contemporary, real-life web applications with Tapestry 5, the Apache open-source framework for creating dynamic, robust, highly scalable web applications in Java. It shows the path of least resistance, so that the reader can learn all the essential skills quickly and easily. To give the reader an initial practical experience, a simple but useful web application is built throughout the chapters.

**Java 9 Revealed** Kishori Sharan 2017-04-19 Explore the new Java 9 modules, SDK, JDK, JVM, JShell and more in this comprehensive book that covers what’s new in Java 9 and how to use these new features. Java 9 Revealed is for experienced Java programmers looking to migrate to Java 9. Author Kishori Sharan begins by covering how to develop Java applications using the new module system introduced in Java 9 and how to use the JShell tool in Java 9 for prototyping, compiling and testing. The book provides extensive coverage of new Java 9 features, such as the new layout of the modular JDK/JRE runtime image, new convenience factory methods for creating collections, the new spin-wait hints introduced to improve performance of spin loops in your code, and the new Desktop API for implementing platform-specific desktop features. Along the way you will also learn how to use the Reactive Streams API in Java 9 and, most importantly, this book will show you the breaking changes in Java 9. What You'll Learn How JShell facilitates rapid development, code evaluation, and testing Discover what is new in the Process API Inspect a thread’s stack with the Stack-Walking API Use the jlink tool to create a custom runtime image Work with HTML5 Javadoc and use the new search feature in Javadoc Learn how to use new methods and collectors in the Streams API Learn how to create a custom logger to log messages from platform classes and how to use JVM logs Learn about new methods in the Optional class and how to use them Learn how to compare arrays and slices of arrays Learn how to use the enhanced try-with-resources blocks Make your object deserialization more secure by using object deserialization filters Who This Book Is For Experienced Java programmers and developers.

**Reliable JavaScript** Lawrence D. Spencer 2015-06-25 Create more robust applications with a test-first approach to JavaScript Reliable JavaScript, How to Code Safely in the World's Most Dangerous Language demonstrates how to create test-driven development for large-scale JavaScript applications that will stand the test of time and stay accurate through long-term use and maintenance. Taking a test-first approach to software architecture, this book walks you through several patterns and practices and explains what they are supposed to do by having you write unit tests. Write the code to pass the unit tests, so you not only develop your technique for structuring large-scale applications, but you also learn how to test your work. You'll come away with hands-on practice that results in code that is correct from the start, and has the test coverage to ensure that it stays correct during subsequent maintenance. All code is provided both in the text and on the web, so you can immediately get started designing more complete, robust applications. JavaScript has graduated from field-validation scripts to full-scale applications, but many developers still approach their work as if they were writing simple scripts. If you're one of those developers, this book is the...
solution you need to whip your code into shape and create JavaScript applications that work. Write more concise and elegant code by thinking in JavaScript Test the implementation and use of common design patterns Master the use of advanced JavaScript features Ensure your code's conformance to your organization's standards If you're ready to step up your code and develop more complete software solutions, Reliable JavaScript is your essential resource.

Code of Federal Regulations 2010
Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

Programming Grails Burt Beckwith
2013-04-23 Dig deeper into Grails architecture and discover how this application framework works its magic. Written by a core developer on the Grails team, this practical guide takes you behind the curtain to reveal the inner workings of its 2.0 feature set. You’ll learn best practices for building and deploying Grails applications, including performance, security, scaling, tuning, debugging, and monitoring. Understand how Grails integrates with Groovy, Spring, Hibernate, and other JVM technologies, and learn how to create and use plugins to augment your application’s functionality. Once you know how Grails adds behavior by convention, you can solve problems more easily and develop applications more intuitively. Write simpler, more powerful code with the Groovy language Manage persistence in Grails, using Hibernate or a NoSQL datastore Learn how Grails uses Spring’s functionality and optional modules Discover how Hibernate handles details for storing and retrieving data Integrate technologies for messaging, mail, creating web services, and other JEE technologies Bypass convention and configure Grails manually Learn a general approach to upgrading applications and plugins Use Grails to develop and deploy IaaS and PaaS applications

Information Systems Security Salil Kanhere 2020-12-05 This book constitutes the proceedings of the 16th International Conference on Information Systems Security, ICISS 2020, held in Jammu, India, during December 16-20, 2020. The 11 regular papers, 2 short papers and 3 work-in-progress papers included in this volume were carefully reviewed and selected from a total of 53 submissions. The papers were organized in topical sections named: access control; AI/ML in security; privacy and Web security; cryptography; and systems security.

Struts Design and Programming Budi Kurniawan 2005 Provides information on building Java Web applications using the Struts framework.

Validation of Communications Systems with SDL Laurent Doldi 2003-09-12 Validation of Communications Systems with SDL provides a clear practical guide to validating, by simulation, a telecom system modelled in SDL. SDL, the Specification and Description Language standardised by the International Telecommunication Union (ITU-T), is used to specify and develop complex systems such as GSM, GPRS, UMTS, IEEE 802.11 or Hiperlan. Since the downturn in the telecom industry, validating a system before its implementation has become mandatory to reduce costs. This volume guides you step by step through the validation of a simplified protocol layer, from interactive simulation to proof of properties using reachability analysis combined with observers. Every step is explained, using the two main SDL tools commercially
available: ObjectGeode™ and Tau SDL™ Suite, both from Telelogic. Contents: Short tutorial on SDL Presentation of the protocol layer case study Interactive simulation, MSC generation Scripting, automatic non-regression Automatic validation against MSC, HMSC, etc. Random simulation Exhaustive and bit-state simulation Errors detected and not detected by simulation Other simulator features This book offers you the opportunity to: Learn expert validation techniques and tips Master advanced simulation features of Telelogic ObjectGeode™ and Tau SDL Suite™ Practice 156 hands-on exercises with solutions. The SDL models and scripts used in the exercises can be downloaded from the Web.

Java Open Source Programming Joseph Walnes 2004-02-03 Discover how to develop full-scale J2EE™ applications quickly and efficiently using the best Open Source tools. Written by leading authorities in the field, this book shows you how to leverage a suite of best-of-breed Open Source development tools to take the pain out of J2EE and build a complete Web-based application. You'll combine these tools to actually reduce the points of failure in your application, while increasing overall system stability and robustness. Along with the tools introduced here, you'll develop the PetSoar application, which follows the PetStore application used by Sun Microsystems to demonstrate features of J2EE. With PetSoar, the authors focus on developing a maintainable and flexible application, rather than showcasing the end result, so that you can apply the material in your own projects. In addition, the authors provide methods for utilizing Open Source software components for each stage of the development process. The Open Source products covered include:* Hibernate to aid with simple, flexible, and speedy transparent object persistence * OpenSymphony WebWork to allow for pluggable view technologies and extensible configuration * JUnit and Mock Objects to assist with rapid and robust unit testing * XDoclet to assist with generating code and configuration files automatically * Jakarta Lucene to add Google-style smart search capabilities to data stores * OpenSymphony SiteMesh to aid in the creation of large sites with a common look and feel * OpenSymphony OSCache to easily cache slow dynamic sections of Web sites resulting in faster-loading pages

The Massachusetts register 2015 Programming Jakarta Struts Chuck Cavaness 2004 Discusses how and why to configure and develop Web applications with Struts and other Jakarta technologies using the model-view controller design pattern in Java.

Mastering HTML and XHTML Deborah S. Ray 2006-02-20

Struts: The Complete Reference, 2nd Edition James Holmes 2006-12-11 Strut your stuff with this completely up-to-date guide Struts guru James Holmes has completely revised and updated his definitive, bestselling Struts volume. You will get soup-to-nuts coverage of Struts 1.3, the latest version of the framework used to create flexible, high-performance web applications. The book features insider tips, tricks, and techniques to make Struts applications sizzle.

Struts 2 Design and Programming Budi Kurniawan 2007-08 Offering both theoretical explanations and real-world applications, this in-depth guide covers the 2.0 version of Struts, revealing how to design, build, and improve Java-based Web applications within the Struts development framework. Feature functionality is explained in detail.
to help programmers choose the most appropriate feature to accomplish their objectives, while other chapters are devoted to file uploading, paging, and object caching.

Adobe Dreamweaver CS4 Unleashed Zak Ruvalcaba 2008-12-03 Adobe Dreamweaver CS4 Unleashed This book is the most comprehensive and independent resource for experienced web developers who want to plan, architect, develop, and deploy state-of-the-art websites, applications, and services. Expert web developer and trainer Zak Ruvalcaba brings together real-world insights and advanced techniques for every facet of contemporary web development, from site management to data-driven applications and multimedia content to security. Ruvalcaba systematically illuminates the major features Adobe has brought to Dreamweaver CS4, including its powerful Spry framework for Ajax development, its innovative CSS browser compatibility checking, and more. You’ll learn how to smoothly integrate Dreamweaver CS4 with other key web design and development tools, ranging from Photoshop to Flash to databases. You’ll also discover how to use Dreamweaver CS4 to improve team collaboration, automate workflow, streamline content management, and reuse assets more efficiently. Detailed information on how to... Get productive with Dreamweaver CS4 development fast, whether you’re new to Dreamweaver or upgrading from previous versions Create more effective, compatible CSS sites—and leverage Dreamweaver CS4’s powerful CSS templates Streamline and automate workflow across your development and content teams Incorporate animation, video, and audio, including Adobe Flash content Make the most of databases and SQL queries in your sites and applications Build dynamic pages and sites that integrate everything from search functionality to user authentication Implement high-performance web services with Adobe Dreamweaver CS4 Use Adobe’s Spry framework, widgets, and effects to quickly build rich XML-based applications Zak Ruvalcaba has been researching, designing, and developing for the web since 1995. He’s built websites and applications for such companies as Gateway, HP, Toshiba, IBM, Intuit, Peachtree, Dell, Qualcomm, Microsoft, and many others. He is currently an instructor with the San Diego Community College District, Palomar Community College, and Mt. San Jacinto Community College, teaching the use of various technologies and tools including ASP.NET, Dreamweaver, and Flash. He is the author of the 10 Minute Guide to Dreamweaver (Que), Build Your Own ASP.NET 3.5 Website Using C# and VB (SitePoint), and Beginning Expression Web (Wrox). Register your book at informit.com/register for convenient access to updates and example source code from this book. Category: Web Development/Dreamweaver Covers: Adobe Dreamweaver CS4 User Level: Intermediate–Advanced

Current Topics in Artificial Intelligence Daniel Borrajo 2007-10-30 This book constitutes the refereed proceedings of the 12th Conference of the Spanish Association for Artificial Intelligence, CAEPIA 2007, held in Salamanca, Spain, in November 2007, in conjunction with the 7th Workshop on Artificial Intelligence Technology Transfer, TTIA 2007. The 28 revised full papers presented address all current issues of artificial intelligence ranging from methodological and foundational aspects to advanced applications in various fields.

JIRA Development Cookbook Jobin Kuruvilla 2016-09-30 Your one-stop resource for mastering extensions and...
customizations in JIRA 7+ About This Book Explore the new features of JIRA 7 and best practices for agile development and integration with development tools. Customize the look and feel of your JIRA UI to match your specific user needs. Create seamless reports that make sense of your data through easy-to-use techniques. Who This Book Is For If you are a JIRA developer or administrator, or a project manager who wants to fully exploit the exciting capabilities of JIRA, then this is the perfect book for you. Create and deploy your own JIRA plugins. Manipulate workflows to transform JIRA into a user-friendly system. Create custom reports that show statistics for particular people, projects, versions, or other fields within issues. Simplify reporting by writing your own JIRA gadgets, which can be added into a user's dashboard. Master database handling by extending and retrieving custom field details from the database. Deal with custom fields on an issue and program custom field option. In Detail JIRA provides issue and project tracking for software development teams to improve code quality and the speed of development. With the new version of JIRA, you can create your own JIRA plugins and customize the look and feel of your JIRA UI easier than ever. JIRA Development Cookbook, Third Edition, is a one-stop resource to master extensions and customizations in JIRA. This book starts with recipes about simplifying the plugin development process followed by recipes dedicated to the plugin framework. Then, you will move on to writing custom field plugins to create new field types or custom searchers. You will also learn how to program and customize workflows to transform JIRA into a user-friendly system. With so much data spanning different projects, issues, and so on, we will cover how to work on reports and gadgets to get customized data according to our needs. At the end of the book, you will learn how to customize JIRA by adding new tabs, menus, and web items; communicate with JIRA via the REST APIs; and work with the JIRA database. Style and approach The most unique aspect of this book is its approach. This book is recipe-based, with real-world examples, that will empower you to implement agile processes and explore the exciting capabilities of JIRA. Java Server Faces: A Practical Approach For Beginners Harwani 2009-12-30 Based on a standard web-application framework, JavaServer Faces (JSF), this book provides a step-by-step practical approach to understand the basic controls of JSF and its real life applications. It includes examples which help to apply different techniques provided by JSF such as tags, converters and validators in real life situations. The book begins with an introduction to JavaServer Faces architecture, its lifecycle, its main components and the installation steps of the softwares required to run and implement JSF. Further it covers expression language and its use to access Managed Bean attributes, and a practical usage of different components like text field, text area, command button, menu, checkbox and so on. Every component is explained with a program as they act as a building block for any web application. Finally it discusses all the steps required in creating two custom components: label component and email component. The creation and deployment of RichFaces and Ajax4Jsf application are also explained step-by-step. Key Features Provides the use of latest available IDE: NetBeans IDE 6.0/6.1 for making JSF based web application. Gives a step-by-step
approach for creating custom converters, validators and components. Elaborates the use of Ajax and its advantages in web applications. Primarily intended for the software professionals, this book will also be useful to the students of computer science and engineering (B.Tech and M.Tech), and master of computer applications (MCA).

**Dreamweaver MX 2004 Savvy** Christian Crumlish 2006-02-20

**ASP.NET Cookbook** Michael A. Kittel 2004 Provides information on Web site development using ASP.NET 2.0.

**Web Standards** Leslie Sikos 2014-12-29

Web Standards: Mastering HTML5, CSS3, and XML provides solutions to the most common web design problems, and gives you a deep understanding of web standards and how they can be implemented to improve your web sites. You will learn how to develop fully standards-compliant, mobile-friendly, and search engine-optimized web sites that are robust, fast, and easy to update while providing excellent user experience and interoperability. The book covers all major web standards for markup, style sheets, web typography, web syndication, semantic annotations, and accessibility. This edition has been fully updated with the latest in web standards, including the finalized HTML5 vocabulary and the full list of CSS3 properties. Web Standards: Mastering HTML5, CSS3, and XML is also a comprehensive guide to current and future standards for the World Wide Web, demonstrating the implementation of new technologies to address the constantly growing user expectations. Web Standards: Mastering HTML5, CSS3, and XML presents step-by-step guides based on solid design principles and best practices, and shows the most common web development tools and web design frameworks. You will master HTML5 and its XML serialization, XHTML5, the new structuring and multimedia elements, the most important HTML5 APIs, and understand the standardization process of HTML 5.1, HTML 5.2, and future HTML5 versions.

**Blockchain for Distributed Systems Security** Sachin S. Shetty 2019-03-12

AN ESSENTIAL GUIDE TO USING BLOCKCHAIN TO PROVIDE FLEXIBILITY, COST-SAVINGS, AND SECURITY TO DATA MANAGEMENT, DATA ANALYSIS, AND INFORMATION SHARING Blockchain for Distributed Systems Security contains a description of the properties that underpin the formal foundations of Blockchain technologies and explores the practical issues for deployment in cloud and Internet of Things (IoT) platforms. The authors—noted experts in the field—present security and privacy issues that must be addressed for Blockchain technologies to be adopted for civilian and military domains. The book covers a range of topics including data provenance in cloud storage, secure IoT models, auditing architecture, and empirical validation of permissioned Blockchain platforms. The book's security and privacy analysis helps with an understanding of the basics of Blockchain and it explores the quantifying impact of the new attack surfaces introduced by Blockchain technologies and platforms. In addition, the book contains relevant and current updates on the topic. This important resource: Provides an overview of Blockchain-based secure data management and storage for cloud and IoT Covers cutting-edge research findings on topics including invariant-based supply chain protection, information sharing framework, and trust worthy information federation Addresses security and privacy concerns in Blockchain in key areas, such as preventing digital currency miners from launching attacks against mining pools, empirical analysis of the
attack surface of Blockchain, and more. Written for researchers and experts in computer science and engineering, Blockchain for Distributed Systems Security contains the most recent information and academic research to provide an understanding of the application of Blockchain technology.

ICONET 2019 Murtono The complex problems of education and technological development and information demands, then takes its main innovations in learning. The purpose of this Education is Innovation in order to improve the quality, effectiveness, efficiency, relevance and productivity, making the learning process more meaningful and fun for children. Innovation can be performed in all subjects, learning methods, media and evaluation. Innovation-based learning local culture values will yield the superior character that will benefit children in the face of a globalized world. So is innovation technology-based learning, make learning be fun so that children become active and creative ideas, thoughts, research related to the innovation of education can be presented in International Conference Education, Culture and technology is preferred. The theme of this Conference: Innovation of Education to Improve Character Value for Childern.

Mastering XPages Martin Donnelly 2014 A complete and practical guide to XPages development, this book is a programmer's guide to utilizing this breakthrough technology.

Building Large-Scale Web Applications with Angular Chandermani Arora 2018-12-21 A definitive guide on frontend development with Angular from design to deployment Key Features Develop web applications from scratch using Angular and TypeScript Explore reactive programming principles and RxJS to develop and test apps easily Study continuous integration and deployment on the AWS cloud Book Description If you have been burnt by unreliable JavaScript frameworks before, you will be amazed by the maturity of the Angular platform. Angular enables you to build fast, efficient, and real-world web apps. In this Learning Path, you'll learn Angular and to deliver high-quality and production-grade Angular apps from design to deployment. You will begin by creating a simple fitness app, using the building blocks of Angular, and make your final app, Personal Trainer, by morphing the workout app into a full-fledged personal workout builder and runner with an advanced directive building - the most fundamental and powerful feature of Angular. You will learn the different ways of architecting Angular applications using RxJS, and some of the patterns that are involved in it. Later you'll be introduced to the router-first architecture, a seven-step approach to designing and developing mid-to-large line-of-business apps, along with popular recipes. By the end of this book, you will be familiar with the scope of web development using Angular, Swagger, and Docker, learning patterns and practices to be successful as an individual developer on the web or as a team in the Enterprise. This Learning Path includes content from the following Packt products: Angular 6 by Example by Chandermani Arora, Kevin Hennessy Architecting Angular Applications with Redux, RxJS, and NgRx by Christoffer Noring Angular 6 for Enterprise-Ready Web Applications by Doguhan Uluca What you will learn Develop web applications from scratch using Angular and TypeS
deployment your Angular app on the AWS cloud. Who this book is for: If you’re a JavaScript or frontend developer looking to gain comprehensive experience of using Angular for end-to-end enterprise-ready applications, this Learning Path is for you.

Web Design Group (WDG) HTML Validator
Features the Web Design Group (WDG) HTML Validator, developed and maintained by Liam Quinn. Provides tips on using the validator, notes common validation problems, and gives reasons to validate HTML addresses. Offers offline help with this validator.

Model-Driven Development of Reliable Automotive Services
Manfred Broy
2008-07-17
Software development for the automotive domain has become the enabling technology for almost all safety-critical and comfort functions offered to the customer. Ninety percent of all innovations in automotive systems are directly or indirectly enabled by embedded software. The numbers of serious accidents have declined in recent years, despite constantly increasing traffic; this is correlated with the introduction of advanced, software-enabled functionality for driver assistance, such as electronic stability control. Software contributes significantly to the automotive value chain. By 2010 it is estimated that software will make up 40% of the value creation of automotive electrics/electronics. However, with the large number of software-enabled functions, their interactions, and the corresponding networking and operating infrastructure, come significant complexities both during the automotive systems engineering process and at runtime. A central challenge for automotive systems development is the scattering of functionality across multiple subsystems, such as electronic control units (ECUs) and the associated networks. As an example, consider the central locking systems (CLS), whose functionality is spread out over up to 19 different ECUs in some luxury cars. Of course, this includes advanced functionality, such as seat positioning and radio tuning according to driver presets upon entry, as well as unlocking in case of a detected impact or accident. However, this example demonstrates that modern automotive systems must bridge comfort-and safety-critical functionality. This induces particular demands on safety and reliability, and, in general, software and systems quality. The resulting challenges and opportunities were discussed in depth at the second Automotive Software Workshop San Diego (ASWSD) 2006, on whose results we report here.

Functional Programming in C#
Enrico Buonanno
2017-08-12
Summary
Functional Programming in C# teaches you to apply functional thinking to real-world problems using the C# language. The book, with its many practical examples, is written for proficient C# programmers with no prior FP experience. It will give you an awesome new perspective. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Functional programming changes the way you think about code. For C# developers, FP techniques can greatly improve state management, concurrency, event handling, and long-term code maintenance. And C# offers the flexibility that allows you to benefit fully from the application of functional techniques. This book gives you the awesome power of a new perspective. About the Book Functional Programming in C# teaches...
you to apply functional thinking to
real-world problems using the C# language. You'll start by learning
the principles of functional
programming and the language features
that allow you to program
functionally. As you explore the many
practical examples, you'll learn the
power of function composition, data
flow programming, immutable data
structures, and monadic composition
with LINQ. What's Inside Write
readable, team-friendly code Master
async and data streams Radically
improve error handling Event sourcing
and other FP patterns About the
Reader Written for proficient C#
programmers with no prior FP
experience. About the Author Enrico
Buonanno studied computer science at
Columbia University and has 15 years
of experience as a developer,
architect, and trainer. Table of
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An introduction to message-passing concurrency
Mastering Angular Reactive Forms
Fanis Prodromou 2021-08-11 Building
confidence to develop any complex
forms using Angular. KEY FEATURES ●
Includes best practices from Angular Community along with Angular 12
Standards. ● Exciting examples and
in-depth practical demonstration of
Angular Reactive Forms. ● Equipped
with graphical illustrations and visual explanations on working of
Angular Reactive Forms. DESCRIPTION
Mastering Angular Reactive Forms
provides all the needed tools to
develop an Angular application using
Reactive Forms. You will gain
knowledge that will help you develop
any form, regardless of its size and
complexity. You will learn about the
basic building blocks of Angular
Reactive Forms, apply a binding in
all HTML form elements using Form
Control, Form Group, or Form Array,
and apply simple or complex
validators. Furthermore, you will
learn how to interact with end user's
form value changes, how to Unit Test,
and how to expand your form by
building re-usable form parts beyond
basics. The book is based on patterns
that are widely used by the community
and many enterprise companies. After
reading this book, you will not just
upgrade your knowledge, but you will
be a strong Angular developer helping
enterprises with solutions in using
Angular Reactive Forms. WHAT YOU WILL
LEARN ● Test some examples on how to
bind with all the HTML elements. ●
Build strong proficiency in how to
write and use rich Angular custom and
async validators. ● Create dynamic
validators by observing the values of
your Form. ● Maintain high-quality
code by writing unit tests. WHO THIS
BOOK IS FOR This book is for Angular
web developers who want to build a
strong knowledge of Reactive Forms
and boost their productivity. A basic
understanding of Angular would be
beneficial to speed up the learnings
from this book. TABLE OF CONTENTS 1.
Getting started with Reactive Forms
2. HTML Form Binding 3. Built-in
Interact with Control's Value and
Status 6. Unit testing 7. Split and
Reuse a Form
205 CMR

AFGW's Upper Air Validator System
Paul A. Zamiska 1990

This technical note describes the Upper Air Validator system at AFGWC. Detailed descriptions of internal error checking and data quality assurance functions are the major part of this tech note. Problems with the previous Validator and improvements within this Validator are also addressed. Reject and suspect limits for temperature, height, wind speed, and density used by the Validator are included. Keywords: Upper air weather observations; Computer applications; Data validation; Quality control; Meteorological instruments. (kt).

PHP 7: Real World Application Development
Doug Bierer 2016-09-30

Use new features of PHP 7 to solve practical, real-world problems faced by PHP developers like yourself every day. About This Book This course covers the new features of version 7.x, best practices for server-side programming, and MVC frameworks Leverage the potential of PHP for server-side programming, memory management, and Object-Oriented Programming to improve your programming productivity. This course also illustrates the development of a complete modular application using PHP 7 in detail. Who This Book Is For If you are an aspiring web developer, mobile developer, or back-end programmer, who has basic experience in PHP programming and wants to develop performance-critical applications, then this course is for you. It will take your PHP programming skills to next level. What You Will Learn Solve practical real-world programming problems using PHP 7 Discover where and when PHP 5 code needs to be re-written to avoid backwards-compatibility breaks Use advanced PHP 7 features such as the Abstract Syntax Tree, Uniform Variable Syntax, Scalar Type Hints, Generator Delegation, Anonymous Classes, and the Context Sensitive Lexer. Set up a high performance development and production environment for PHP 7. Discover new OOP features in PHP 7 to achieve high performance. Discover the new features of PHP 7 that are relevant to modular application development. Explore the ins and outs of the Symfony framework. Build a set of modules based on the Symfony framework that comprise a simple web shop app. In Detail PHP is a great language for developing web applications. It is essentially a server-side scripting language. PHP 7 is the latest version, providing major backward-compatibility breaks and focusing on improved performance and speed. This course follows a learning path which is divided into three modules. Each module is a mini course in its own right, taking your basic PHP programming skills to the next level by showing you intermediate to advanced PHP techniques with a focus on PHP 7. This way, get you equipped with the tools and skills required to develop professional and efficient applications for your websites and enterprises. The first module of the book is a programming cookbook that consists over 80 recipes! Each recipe is designed to solve practical, real-world problems faced by PHP developers like yourself every day. This course also covers new ways of writing PHP code made possible only in version 7. The second module of the course is designed to improve the performance and productivity of your application. We'll introduce you to the concepts of Object-Oriented Programming (OOP) in PHP 7, then shed some light on how to improve the performance of your PHP 7 applications and database. Throughout this module you will be introduced to benchmarking tools. With all
important concepts of PHP covered up you will move on to third module. In this module you will gain a deep insight into the modular programming paradigm and how to achieve modularity in your PHP code. Modular design techniques help you build readable, manageable, reusable, and more efficient codes. PHP 7, which is a popular open source scripting language, is used to build modular functions for your software. 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: PHP 7 Programming Cookbook, Doug Bierer Learning PHP 7 High Performance, Altaf Hussain Modular Programming with PHP 7, Branko Ajzele Style and approach This book takes a practical, step-by-step approach with real-world examples that serve as building blocks for your application development and guide you through improving the quality of your code.

*Pro XML Development with Java Technology* Ajay Vohra 2007-02-01 XML is the logical choice for a powerful data medium transferable across applications and platforms. This book takes a streamlined approach, giving the reader all they need to hit the ground running, without making them trawl through hundreds of pages of syntax. The book is also thoroughly up-to-date, covering the newest XML standards (DOM 3.0, XSLT 2.0, XPath 2.0) and Java tools (including JAXB, Xerces2-j, JAXP, XML Beans, and many more,) and the relevant new features of Java 5 and 6. In short, the book gives readers all they need to master cutting edge XML development with Java.

*Apache Myfaces 1. 2* Bart Kummel 2010-03-02 Building next-generation web applications with JSF and Facelets.