

## Spring Web Publishing

Build mission-critical enterprise applications using Spring Framework and Aspect Oriented Programming About This Book Step into more advanced features of aspect-oriented programming and API components to build enterprise grade systems Build lightning-fast web applications and REST APIs using Spring MVC and its asynchronous processing capabilities with the view technologies of your choice Explore simplified but powerful data access techniques including JPA (Java Persistence Architecture) repositories and NoSQL data access Who This Book Is For If you are a Java developer who is looking to master Enterprise Java Development using Spring Framework, then this book is ideal for you. Prior understanding of core Java programming and a high-level understanding of Spring Framework is recommended. Having sound knowledge of servlet-based web development in Java and basic Database concepts would be an advantage but not a requirement. What You Will Learn Set up and build standalone and web-based projects using Spring Framework with Maven or Gradle Get familiar with JSP Form processing using Spring and Form Tag Library Develop RESTful API applications for XML and JSON data transfers with non-blocking asynchronous capabilities Explore Spring's comprehensive transaction support for

declarative Transaction Management and its integration with Spring's data access abstractions Investigate Spring Data access mechanisms with Spring Data Repositories, a simple and consistent data-access abstraction Construct real-time applications using WebSocket with a SockJS fallback option Understand how to secure your Spring Web and standalone applications using Spring Security declaratively and consistently Get to grips with the end-to-end development of an API-based modern SPA using EmberJS at the front end and SpringMVC at the back end In Detail Spring is an open source Java application development framework to build and deploy systems and applications that run on the JVM. It is the industry standard and the most popular framework among Java developers with over two-thirds of developers using it. Spring Essentials makes learning Spring so much quicker and easier with the help of illustrations and practical examples. Starting from the core concepts of features such as inversion of Control Container and BeanFactory, we move on to a detailed look at aspect-oriented programming. We cover the breadth and depth of Spring MVC, the WebSocket technology, Spring Data, and Spring Security with various authentication and authorization mechanisms. Packed with real-world examples, you'll get an insight into utilizing the power of Spring Expression Language in your applications

for higher maintainability. You'll also develop full-duplex real-time communication channels using WebSocket and integrate Spring with web technologies such as JSF, Struts 2, and Tapestry. At the tail end, you will build a modern SPA using EmberJS at the front end and a Spring MVC-based API at the back end. By the end of the book, you will be able to develop your own dull-fledged applications with Spring.

**Style and approach** This book is a practical guide based on logical modules of the whole Spring Framework family, with a start-small approach, increasing in complexity as it progresses. Every chapter is an amalgamation of theory and practical examples, with further discussion on additional features and approaches.

"A writer traces his history-brushes with violence, responses to threat, poetic and political solidarity-in poems of lyric and narrative urgency. John Murillo's second book is a reflective look at the legacy of institutional, accepted violence against African Americans and the personal and societal wreckage wrought by long histories of subjugation. A sparrow trapped in a car window evokes a mother battered by a father's fists; a workout at an iron gym recalls a long-ago mentor who pushed the speaker "to become something unbreakable." The presence of these and poetic forbears-Gil Scott-Heron, Yusef Komunyakaa-provide a context for strength in the face of danger and anger. At the heart of the book is

a sonnet crown triggered by the shooting deaths of three Brooklyn men that becomes an extended meditation on the history of racial injustice and the notion of payback as a form of justice. "Maybe memory is the only home / you get," Murillo writes, "and rage, where you/first learn how fragile the axis/upon which everything tilts."--

Pass the Pivotal Certified Professional exam using source code examples, study summaries, and mock exams. In this book, you'll find a descriptive overview of certification-related Spring modules and a single example application demonstrating the use of all required Spring modules. Also, it is suitable as an introductory primer for Spring newcomers.

Furthermore, in Pivotal Certified Professional Spring Developer Exam: A Study Guide each chapter contains a brief study summary and question set, and the book's free downloadable source code package includes one mock exam (50 questions – like a real exam). After using this study guide, you will be ready to take and pass the Pivotal Certified Professional exam. When you become Pivotal Certified, you will have one of the most valuable credentials in Java. The demand for Spring skills is skyrocketing. Pivotal certification helps you advance your skills and your career, and get the maximum benefit from Spring. Passing the exam demonstrates your understanding of Spring and validates your familiarity with: container-basics, aspect oriented

programming (AOP), data access and transactions, Spring Security, Spring Boot, microservices and the Spring model-view-controller (MVC). Good luck!

What You'll Learn Understand the core principles of the popular Spring Framework Use dependency injection Work with aspects in Spring and do AOP (aspect oriented programming) Control transactional behavior and work with SQL and NoSQL (MongoDB) databases Create and secure web applications based on Spring MVC Get to know the format of exam and type of questions in it Create Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam.

"This Learning Path starts off by setting up the developer environment and initializing a simple application. We then move on to discussing the core concepts of Spring Boot and Spring MVC. Here we will look into different developer tools, debug Spring applications, and log in to Spring. Then you'll dive into the Spring MVC, where you will develop reactive web applications with Spring, and work with embedded servlet containers and manage serialization with Protobuf, Avro, and Thrift. We also discuss how to secure our applications using authentication."--Resource description page.

The Scholarly Electronic Publishing Bibliography presents selected English-language articles, books,

and other printed and electronic sources that are useful in understanding scholarly electronic publishing efforts on the Internet. Most sources have been published between 1990 and 2008; however, a limited number of key sources published prior to 1990 are also included. Peter Jacso said in *ONLINE* (vol. 27, no. 3 2003, pp. 73-76): "SEP is compiled with utter professionalism. It reminds me of the work of the best artisans who know not only every item that leaves their workshops, but each component used to create them--providing the ideal quality control. . . . The selection of items is impeccable. I have yet to find journal articles irrelevant to the scope of the bibliography. SEP could be used as a benchmark in evaluating abstracting/indexing databases that proudly claim to have coverage of electronic publishing, but do not come close to SEP." Web guru Philip Greenspun offers a comprehensive look at Web publishing with techniques and examples gleaned from his experiences in developing over 70 Web services. He has added fresh ideas and insights to this thoroughly revised guide, including new chapters on electronic commerce and static site development, more material on building systems to foster community and collaboration, and new examples and case studies. Cover Title

A hands-on guide to building an enterprise-grade, scalable RESTful web service using the Spring

Framework About This Book Follow best practices and explore techniques such as clustering and caching to achieve a scalable web service Leverage the Spring Framework to quickly implement RESTful endpoints Learn to implement a client library for a RESTful web service using the Spring Framework Who This Book Is For This book is intended for those who want to learn to build RESTful web services with the Spring Framework. To make best use of the code samples included in the book, you should have a basic knowledge of the Java language. Previous experience with the Spring Framework would also help you get up and running quickly. What You Will Learn Deep dive into the principles behind REST Expose CRUD operations through RESTful endpoints with the Spring Framework Devise response formats and error handling strategies, offering a consistent and flexible structure to simplify integration for service consumers Follow the best approaches for dealing with a service's evolution while maintaining backward compatibility Understand techniques to secure web services Comply with the best ways to test RESTful web services, including tips for load testing Optimise and scale web services using techniques such as caching and clustering In Detail REST is an architectural style that tackles the challenges of building scalable web services. In today's connected world, APIs have taken a central

role on the web. APIs provide the fabric through which systems interact, and REST has become synonymous with APIs. The depth, breadth, and ease of use of Spring makes it one of the most attractive frameworks in the Java ecosystem. Marrying the two technologies is therefore a very natural choice. This book takes you through the design of RESTful web services and leverages the Spring Framework to implement these services. Starting from the basics of the philosophy behind REST, you'll go through the steps of designing and implementing an enterprise-grade RESTful web service. Taking a practical approach, each chapter provides code samples that you can apply to your own circumstances. This book goes beyond the use of Spring and explores approaches to tackle resilience, security, and scalability concerns. You'll learn techniques to deal with security in Spring and discover how to implement unit and integration test strategies. Finally, the book ends by walking you through building a Java client for your RESTful web service, along with some scaling techniques for it.

**Style and approach** This book is a step-by-step, hands-on guide to designing and building RESTful web services. The book follows the natural cycle of developing these services and includes multiple code samples to help you.

Microsoft Press features the only comprehensive, solutions-based resource for both small business



network service providers and their customers, with information on installing and administering BackOffice 4.5. CD offers templates for project-management and proposal-building tasks, HTML code and scripts, Microsoft Exchange Server, and Microsoft Small Business Server console.

This is a cookbook full of recipes with the essential code explained clearly and comprehensively. Each chapter is neatly compartmentalized with focused recipes which are perfectly organized for easy reference and understanding. This book is for Java/J2EE developers. As the book covers a variety of topics in Web-Service development, it will serve as a reference guide to those already familiar with Web-Services. Beginners can also use this book to gain real-world experience of Web-Service development.

Here's a powerful two-in-one solution for learning how to use the Web publishing tools and features in Microsoft Office 2000 Premium, including Microsoft FrontPage 2000 and PhotoDraw "TM" 2000. "Microsoft Web Publishing Step by Step" combines two effective learning tools in one package so users can choose the teaching method that best meets their needs. The book delivers task-oriented, self-paced learning in Microsoft's proven Step by Step methodology. And the multimedia training component on CD-ROM helps users learn by doing, either in a realistic software-simulation environment or by using actual Office 2000 programs and features. InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers.

InfoWorld also celebrates people, companies, and projects.

Compiles top research from the world's leading experts on many topics related to electronic commerce. Covers topics including mobile commerce, virtual enterprises, business-to-business applications, Web services, and enterprise methodologies.

HTML, or hypertext mark-up language, is the standard for all world wide web pages throughout the world. With HTML 3.0 new features have been added and in addition VRML, the virtual reality mark-up language, is also attracting attention to enable browsers to move through "virtual reality" web sites. This book provides a reference guide to both HTML and VRML modelled on the author's previous successful reference guides to AutoCad. Each HTML and VRML command is given a description, its syntax, and examples of its use. - Visual snapshots of each markup in use.- Each HTML tag is marked with its version number to highlight the new 3.0 features.- Covers all the known VRML tags for 2.0.- Examples cover related and optional attributes.

Pro Spring MVC provides in-depth coverage of Spring MVC and Spring Web Flow, two highly customizable and powerful web frameworks brought to you by the developers and community of the Spring Framework. Spring MVC is a modern web application framework built upon the Spring Framework, and Spring Web Flow is a project that complements Spring MVC for building reusable web controller modules that encapsulate rich page navigation rules. Along with detailed analysis of the code and functionality, plus the first published coverage

of Spring Web Flow 2.x, this book includes numerous tips and tricks to help you get the most out of Spring MVC, Spring Web Flow, and web development in general. Spring MVC and Spring Web Flow have been upgraded in the new Spring Framework 3.1 and are engineered with important considerations for design patterns and expert object-oriented programming techniques. This book explains not only the design decisions of the frameworks, but also how you can apply similar designs and techniques to your own code. This book takes great care in covering every inch of Spring MVC and Spring Web Flow to give you the complete picture. Along with all the best known features of these frameworks, you'll discover some new hidden treasures. You'll also learn how to correctly and safely extend the frameworks to create customized solutions. This book is for anyone who wishes to write robust, modern, and useful web applications with the Spring Framework.

Sams Teach Yourself Web Publishing with HTML and CSS in One Hour a Day is a new edition of the best-selling book that started the whole HTML/web publishing phenomenon. The entire book has been revised and refined to reflect current web publishing practices and technologies. It includes extensive coverage of Cascading Style Sheets (CSS), which have become a staple in web development. You'll have no problem learning from expert author Laura Lemay's clear and approachable writing style. Simple, step-by-step instructions with lots of practical, interesting examples of web pages will guide you as you master current web publishing technologies and practices.

An overview of the multimedia applications of Apple's iLife covers the fundamentals of iTunes, iPhoto, iMovie, iDVD, and GarageBand.

This beloved book by E. B. White, author of *Stuart Little* and *The Trumpet of the Swan*, is a classic of children's literature that is "just about perfect." Illustrations in this ebook appear in vibrant full color on a full-color device and in rich black-and-white on all other devices. Some Pig. Humble. Radiant.

These are the words in *Charlotte's Web*, high up in Zuckerman's barn. Charlotte's spiderweb tells of her feelings for a little pig named Wilbur, who simply wants a friend. They also express the love of a girl named Fern, who saved Wilbur's life when he was born the runt of his litter. E. B. White's Newbery Honor Book is a tender novel of friendship, love, life, and death that will continue to be enjoyed by generations to come. It contains illustrations by Garth Williams, the acclaimed illustrator of E. B. White's *Stuart Little* and Laura Ingalls Wilder's *Little House* series, among many other books.

Thoroughly revised and updated with examples rewritten to conform to HTML5, CSS3, and contemporary web development practices, this easy-to-understand, step-by-step tutorial helps you quickly master the basics of HTML and CSS before moving on to more advanced topics such as graphics, video, and interactivity with JavaScript and jQuery. In just one hour a day, you'll learn the skills you need to design, create, and maintain a professional-looking website. No previous experience required. By following each short, one-hour lesson in this book, anyone can learn the basics of web development. Learn at your own pace. You can work through each lesson sequentially to make sure you thoroughly understand all the concepts and methodologies, or you can focus on specific lessons to learn the techniques that interest

you most. Test your knowledge. Each lesson ends with a Workshop section filled with questions, answers, and exercises for further study. Learn how to... Fully implement the HTML5 and CSS3 standards Work with text and create links Add images and graphics to your page Use CSS to style a site and position elements on a page Structure a page with HTML5 Use responsive web design to make your pages look good on different-sized screens Use JavaScript to add dynamic elements and interactivity on your pages Leverage jQuery to add JavaScript features to your pages Design for the mobile web Get your site online and let people know it's there Optimize your site for search engines Contents at a Glance PART I: Getting Started 1 What Is Web Publishing 2 Getting Your Tools in Order 3 Introducing HTML and CSS PART II: Creating Web Pages 4 Learning the Basics of HTML 5 Organizing Information with Lists 6 Working with Links PART III: Doing More with HTML and CSS 7 Formatting Text with HTML and CSS 8 Using CSS to Style a Site 9 Using Images on Your Web Pages 10 Building Tables 11 Using CSS to Position Elements on a Page 12 Designing Forms 13 Structuring a Page with HTML5 14 Integrating Multimedia: Video and Sound 15 Advanced CSS: Page Layout in CSS 16 Using Responsive Web Design PART IV: Using JavaScript and jQuery 17 Introducing JavaScript 18 Using jQuery 19 Using JavaScript in Your Pages 20 Working with Frames and Linked Windows PART V: Designing for Everyone 21 Designing for the Mobile Web 22 Designing for User Experience PART VI: Going Live on the Web 23 How to Publish Your Site 24 Taking Advantage of the Server 25 Search Engines and SEO

Psychotherapy for the Advanced Practice Psychiatric Nurse provides the nurse psychotherapist with a useful “how-to primer that contains practical techniques and interventions without a lot of theoretical jargon. Topics include the basics of

psychotherapy, from how to respond to a patient's initial call to termination of care. Selected approaches, interpersonal, cognitive-behavioral, and psychodynamic psychotherapy are highlighted with discussion of evidence-base research. Specific techniques for working with commonly seen patient populations that require special consideration: those who have experienced trauma, children, and older adults are included. In addition, how to integrate psychopharmacology and psychotherapy is discussed in detail. A straightforward approach to psychotherapy using a holistic nursing framework. Latest findings on the neurophysiology of psychotherapy including research on attachment, therapeutic relationships, and trauma. Evidence-based research for all approaches and populations discussed. Provides treatment hierarchy for decision making in selecting strategies for treatment from the initial contact and assessment to termination. Step-by-step guide to building the nurse-patient relationship in order to achieve quality outcomes. Includes detailed instructions on therapeutic communication techniques. Detailed instructions teach you how to use the latest therapeutic communication techniques. Includes all patient populations from children to the older adult with special emphasis on working with traumatized patients. Comprehensive appendices provide quick access to helpful forms and diagnostic tools specific to psychotherapy nursing practice.

Intelligent agent technology is emerging as one of the most important and rapidly advancing areas. Researchers are developing a number of agent-based applications and multi-agent systems in a variety of fields, such as: electronic commerce, supply chain management, resource allocation, intelligent manufacturing, mass customization, industrial control, information retrieval and filtering, collaborative work, mobile commerce, decision support, and computer games.

Application of Agents and Intelligent Information Technologies presents an outstanding collection of the latest research associated with intelligent agents and information technologies. Application of Agents and Intelligent Information Technologies provides a comprehensive analysis of issues related to agent design, implementation, integration, deployment, evaluation, and business value. This book presents research results and application of agents and other intelligent information technologies in various domains.

Application of Agents and Intelligent Information Technologies offers the intelligent information technologies that will potentially revolutionize the work environment as well as social computing.

FileMaker Web Publishing offers an unparalleled development strategy for database managers, web designers, and programmers who are interested in getting the most out of FileMaker databases on the web. The book introduces the basics of HTML, cascading style sheets, and PHP, then moves on to specific concepts such as database portals, value lists, and complex navigation systems. Advanced topics include uploading and referencing files within the database and sending dynamically formatted emails.

Unleash the power of the latest Spring MVC 4.x to develop a complete application About This Book Work through carefully crafted exercises with detailed explanations for each step will help you understand the concepts with ease You will gain a clear understanding of the end-to-end request/response life cycle, and each logical component's responsibility This book is packed with tips and tricks that demonstrate industry best practices on developing a Spring-MVC-based application Who This Book Is For The book is for Java developers who want to exploit Spring MVC and its features to build web applications. Some familiarity with basic servlet programming

concepts would be a plus, but is not a prerequisite. What You Will Learn Familiarize yourself with the anatomy of the Spring 4.X development environment Understand web application architecture and the Spring MVC request flow Integrate bean validation and custom validation Use error handling and exception resolving Get to grips with REST-based web service development and Ajax Test your web application In Detail Spring MVC helps you build flexible and loosely coupled web applications. The Spring MVC Framework is architected and designed in such a way that every piece of logic and functionality is highly configurable. Also, Spring can integrate effortlessly with other popular web frameworks such as Struts, WebWork, Java Server Faces, and Tapestry. The book progressively teaches you to configure the Spring development environment, architecture, controllers, libraries, and more before moving on to developing a full web application. It begins with an introduction to the Spring development environment and architecture so you're familiar with the know-hows. From here, we move on to controllers, views, validations, Spring Tag libraries, and more. Finally, we integrate it all together to develop a web application. You'll also get to grips with testing applications for reliability. Style and approach This book takes a pragmatic step-by-step approach to web application development using Spring MVC, with informative screenshots and concise explanation. Unleash the power of Spring MVC and build enterprise-grade, lightning-fast web applications About This Book Configure Spring MVC to build logic-less controllers that transparently support the most advanced web techniques Secure your developments with easy-to-write, reliable unit and end-to-end tests Get this fast-paced, practical guide to produce REST resources and templates as required by the latest front-end best practices Who This Book Is For This Learning Path is for Java developers who want to exploit Spring MVC and its



features to build web applications. It will help you step up in your career and stay up to date or learn more about Spring's web scalability. What You Will Learn Set up and build standalone and web-based projects using Spring Framework with Maven or Gradle Develop RESTful API applications for XML and JSON data transfers Investigate Spring data access mechanisms with Spring Data Repositories Generate templates for a responsive and powerful front end with AngularJS and Bootstrap Authenticate over REST with a BASIC authentication scheme and OAuth2; handle roles and permissions Communicate through WebSocket and STOMP messages Design complex advanced-level forms and validate the model Create maintainable unit and acceptance tests to secure the apps Deploy the web application to the cloud in a snap In Detail Spring MVC helps you build flexible and loosely coupled web applications. The Spring MVC Framework is designed in such a way that every piece of logic and functionality is highly configurable. This Learning Path aims to make you an expert in designing web applications with Spring MVC 4. In our first module, we'll begin with an introduction to the Spring framework. You'll then learn aspect-oriented programming. Packed with real-world examples, you'll get an insight into how you can use Spring Expression Language in your applications to make them easier to manage and maintain. In the second module, you'll learn everything you need to build modern Spring-based enterprise web applications. From practical development techniques and useful tools from the wider Spring ecosystem, to the new JEE standards, the impact of JavaScript, and even the Internet of Things, you'll feel confident that you can deploy Spring for an impressive range of creative purposes. In the final module, you'll find out how to take advantage of Spring MVC's advanced features - essential if you are to properly master the framework. To do

this you'll investigate the inner mechanics of Spring MVC, and how they tie into to the broader principles that inform many modern web architectures. With further guidance on how to test, secure, and optimize your application, as well as designing RESTful services, you'll very quickly be ready to use Spring in your next web project. 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: Spring Essentials by Shameer Kunjumohamed, Hamidreza Sattari Spring MVC Cookbook by Alex Bretet Mastering Spring MVC 4 by Geoffroy Warin Style and approach This is a hands-on, practical guide based on logical modules of the whole Spring framework family, employing a combination of theory and examples with pro-level practices, techniques, and solutions.

Treats most aspects of Web development and authoring technology. Provides working examples of the technology as well as discussion on each technology or product's use, how it fits into the overall Web development framework and tips and "gotchas."

This book covers all aspect of web publishing with FileMaker Pro.

You can choose several data access frameworks when building Java enterprise applications that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data access technologies such as NoSQL and Hadoop. Through several sample projects, you'll learn how Spring Data provides a consistent programming model that retains NoSQL-specific features and capabilities, and helps you develop Hadoop applications across a wide range of use-cases such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to

Spring's existing JPA and JDBC support for writing RDBMS-based data access layers. Learn about Spring's template helper classes to simplify the use of database-specific functionality Explore Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and Neo4j (graph database) Discover the GemFire distributed data grid solution Export Spring Data JPA-managed entities to the Web as RESTful web services Simplify the development of HBase applications, using a lightweight object-mapping framework Build example big-data pipelines with Spring Batch and Spring Integration Design and implement real-world web-based applications using the Spring Framework 4.x specification based on technical documentation About This Book Learn all the details of implementing Spring 4.x MVC applications from basic core platform construction to advanced integration implementations Gain a complete reference guide to implementing the controllers, models, views, view resolvers, and other service-related components to solve various real-world problems Discover the possible optimal solutions for developers and experts to build enterprise and personal web-based applications Create a Spring MVC application that has a validation process and exception handling with the HTTP status codes Who This Book Is For This book is for competent Spring developers who wish to understand how to develop complex yet flexible applications with Spring MVC. You must have a good knowledge of JAVA programming and be familiar with the basics of Spring. What You Will Learn Set up and configure the Spring 4.x MVC platform from ground level up using the basic Spring Framework 4.x APIs Study requirements and manage solutions on file uploading transactions in Spring 4.x applications Configure, , and test Spring integration to the Hibernate, MyBatis, and JPA

frameworks for database transactions Properly implement exception handlers and audit trails in Spring MVC applications Generate reports using JFreeChart, Google Charts, JasperReports, DynamicReports, FreeMarker, Velocity, and Spring's API known as ContentNegotiatingViewResolver Configure security and flexibility by adding Captcha, Spring Security, Spring Flow, Spring Portlets, JTA to improve data management performance Implement web services using Spring's RESTful implementation and other service-oriented integration plugins Design and implement a Spring 4.x application using AngularJS, ExtJs, Twitter Bootstrap, and Spring Mobile for responsive web design In Detail Spring MVC is the ideal tool to build modern web applications on the server side. With the arrival of Spring Boot, developers can really focus on the code and deliver great value, leveraging the rich Spring ecosystem with minimal configuration. Spring makes it simple to create RESTful applications, interact with social services, communicate with modern databases, secure your system, and make your code modular and easy to test. It is also easy to deploy the result on different cloud providers. This book starts all the necessary topics in starting a Spring MVC-based application. Moving ahead it explains how to design model objects to handle file objects. save files into a data store and how Spring MVC behaves when an application deals with uploading and downloading files. Further it highlights form transactions and the user of Validation Framework as the tool in validating data input. It shows how to create a customer feedback system which does not require a username or password to log in. It will show you the soft side of Spring MVC where layout and presentation are given importance. Later it will discuss how to use Spring Web Flow on top of Spring MVC to create better web applications. Moving ahead, it will teach you how create an Invoice Module that receives

and transport data using Web Services By the end of the book you will be able to create efficient and flexible real-time web applications using all the frameworks in Spring MVC. Style and approach This book is a compendium of technical specification documents that will guide you through building an application using Spring 4.x MVC. Each chapter starts with a high-level wireframe design of the software followed by how to set up and configure different libraries and tools.

What is the impact of information and communication technologies (ICTs) on the human condition? In order to address this question, in 2012 the European Commission organized a research project entitled The Onlife Initiative: concept reengineering for rethinking societal concerns in the digital transition. This volume collects the work of the Onlife Initiative. It explores how the development and widespread use of ICTs have a radical impact on the human condition. ICTs are not mere tools but rather social forces that are increasingly affecting our self-conception (who we are), our mutual interactions (how we socialise); our conception of reality (our metaphysics); and our interactions with reality (our agency). In each case, ICTs have a huge ethical, legal, and political significance, yet one with which we have begun to come to terms only recently. The impact exercised by ICTs is due to at least four major transformations: the blurring of the distinction between reality and virtuality; the blurring of the distinction between human, machine and nature; the reversal from information scarcity to information abundance; and the shift from the primacy of stand-alone things, properties, and binary relations, to the primacy of interactions, processes and networks. Such transformations are testing the foundations of our conceptual frameworks. Our current conceptual toolbox is no longer fitted to address new ICT-related challenges. This is not only a problem in itself. It is also a risk, because the lack of a clear understanding of our present time may easily

lead to negative projections about the future. The goal of The Manifesto, and of the whole book that contextualises, is therefore that of contributing to the update of our philosophy. It is a constructive goal. The book is meant to be a positive contribution to rethinking the philosophy on which policies are built in a hyperconnected world, so that we may have a better chance of understanding our ICT-related problems and solving them satisfactorily. The Manifesto launches an open debate on the impacts of ICTs on public spaces, politics and societal expectations toward policymaking in the Digital Agenda for Europe's remit. More broadly, it helps start a reflection on the way in which a hyperconnected world calls for rethinking the referential frameworks on which policies are built.

Develop diverse real-life projects including most aspects of Spring Boot Key Features Run production-grade based applications using the Spring WebFlux framework Learn to develop high performance, asynchronous applications with Spring Boot Create robust microservice-based applications with Kotlin using Spring Boot Book Description Spring is one of the best tools available on the market for developing web, enterprise, and cloud-ready software. The goal of Spring Boot is to provide a set of tools for quickly building Spring applications that are easy to configure, and that make it easy to create and run production-grade Spring-based applications. Spring Boot 2.0 Projects will get you acquainted with important features of the latest version of this application-building tool and will cover basic, as well as advanced topics. The book starts off by teaching you how to create a web application using Spring Boot, followed by creating a Spring Boot-based simple blog management system that uses Elasticsearch as the data store. As you make your way through the chapters, you'll build a RESTful web services application using Kotlin and the Spring WebFlux framework.

Spring WebFlux is a new framework that helps in creating a reactive application in a functional way. Toward the end of the book, you will build a taxi-hailing API with reactive microservices using Spring Boot and a Twitter clone with a Spring Boot backend. Finally, you'll learn how to build an asynchronous email formatter. What you will learn Learn the fundamental features of Spring Boot 2.0 Customize Spring Boot 2.0 applications Build a basic web application Use Redis to build a taxi-hailing API Create a simple blog management system and a Twitter clone Develop a reactive RESTful web service with Kotlin using Spring Boot Who this book is for This book is for competent Spring developers who wish to understand how to develop complex yet scalable applications with Spring Boot. You must have a good knowledge of Java programming and be familiar with the basics of Spring. A complete guide to build robust and scalable web applications with Spring and Angular. About This Book This hands on guide will teach you how to build an end-to-end modern web application using Spring and Angular. It is easy to read and will benefit Java developers who have been used to develop the back-end part of web application while front-end (UI) has been left for UI developers. Learn the core aspects involved in developing the backend and the UI, right from designing to integrating and deploying. Who This Book Is For This book is targeted towards Java Web Developers with a basic knowledge of Spring who want to build complete web applications in a fast and effective way. They will want to gain a stronghold on both frontend and backend development to advance in their careers. What You Will Learn Set up development environment for Spring Web App and Angular app. Process web request and response and build REST API endpoints. Create data access components using Spring Web MVC framework and Hibernate Use Junit 5 to test your application Learn the fundamental concepts around building

Angular Configure and use Routes and Components. Protect Angular app content from common web vulnerabilities and attacks. Integrate Angular apps with Spring Boot Web API endpoints Deploy the web application based on CI and CD using Jenkins and Docker containers In Detail Spring is the most popular application development framework being adopted by millions of developers around the world to create high performing, easily testable, reusable code. Its lightweight nature and extensibility helps you write robust and highly-scalable server-side web applications. Coupled with the power and efficiency of Angular, creating web applications has never been easier. If you want build end-to-end modern web application using Spring and Angular, then this book is for you. The book directly heads to show you how to create the backend with Spring, showing you how to configure the Spring MVC and handle Web requests. It will take you through the key aspects such as building REST API endpoints, using Hibernate, working with Junit 5 etc. Once you have secured and tested the backend, we will go ahead and start working on the front end with Angular. You will learn about fundamentals of Angular and Typescript and create an SPA using components, routing etc. Finally, you will see how to integrate both the applications with REST protocol and deploy the application using tools such as Jenkins and Docker. Style and approach This is a straightforward guide that shows how to build a complete web application in Angular and Spring.

This book constitutes revised selected papers from the 15th International Conference on Web Information Systems and Technologies, WEBIST 2019 held in Vienna, Austria, in September 2019. The 10 full papers presented in this volume were carefully reviewed and selected from originally 87 paper submissions. They contribute to the understanding of relevant trends of current research on Web Information Systems and



Technologies, including Big Data and Connected Services; Web Performance; Context-aware and Adaptive Web Applications; Human Robot Collaboration and Multi-Agent Systems; Web Application Operating Systems and Platforms; Social Media Advertising and Enhancing Purchase Intentions; Natural Language Query Interfaces and Semantic Web; and Human-computer Interaction and Dynamic Web Pages.

Using database-driven web pages or web content management (WCM) systems to manage increasingly diverse web content and to streamline workflows is a commonly practiced solution recognized in libraries to-day. However, limited library web content management models and funding constraints prevent many libraries from purchasing commercially available WCM systems. And, the lack of much needed technical expertise in building in-house WCM systems presents a great challenge for libraries of all types. *Content and Workflow Management for Library Websites: Case Studies* provides practical and applicable web content management solutions through case studies. It contains successful database-to-web applications as employed in a variety of academic libraries. The applications vary in scope and cover a range of practical how-to-do-it examples from database-driven web development, locally created web content management systems, systems for distributing content management responsibilities, dynamic content delivery, to open source tools, such as MySQL and PHP to manage the content. Issues and challenges associated with the development process are discussed. Authors will also discuss detours, sand traps, and missteps necessary to a real learning process.

Find out how to implement the REST architecture to build resilient software in Java with the help of the Spring 5.0 framework. Key Features Follow best practices and explore techniques such as clustering and caching to achieve a

reactive, scalable web service. Leverage the Spring Framework to quickly implement RESTful endpoints. Learn to implement a client library for a RESTful web service using the Spring Framework along with the new front end framework. Book Description REST is an architectural style that tackles the challenges of building scalable web services. In today's connected world, APIs have taken a central role on the web. APIs provide the fabric through which systems interact, and REST has become synonymous with APIs. The depth, breadth, and ease of use of Spring makes it one of the most attractive frameworks in the Java ecosystem. Marrying the two technologies is therefore a very natural choice. This book takes you through the design of RESTful web services and leverages the Spring Framework to implement these services. Starting from the basics of the philosophy behind REST, you'll go through the steps of designing and implementing an enterprise-grade RESTful web service. Taking a practical approach, each chapter provides code samples that you can apply to your own circumstances. This second edition brings forth the power of the latest Spring 5.0 release, working with MVC built-in as well as the front end framework. It then goes beyond the use of Spring to explore approaches to tackle resilience, security, and scalability concerns. Improve performance of your applications with the new HTTP 2.0 standards. You'll learn techniques to deal with security in Spring and discover how to implement unit and integration test strategies. Finally, the book ends by walking you through building a Java client for your RESTful web service, along with some scaling techniques using the new Spring Reactive libraries. What you will learn Deep dive into the principles behind REST Expose CRUD operations through RESTful endpoints with the Spring Framework Devise response formats and error handling strategies, offering a consistent and flexible structure to simplify integration for service

consumers Follow the best approaches for dealing with a service's evolution while maintaining backward compatibility Understand techniques to secure web services Comply with the best ways to test RESTful web services, including tips for load testing Optimise and scale web services using techniques such as caching and clustering Who this book is for This book is intended for those who want to learn to build RESTful web services with the latest Spring 5.0 Framework. To make best use of the code samples included in the book, you should have a basic knowledge of the Java language. Previous experience with the Spring Framework would also help you get up and running quickly.

Completely revised hardcover edition of the leading Web publishing tutorial.

Learn how to secure your Java applications from hackers using Spring Security 4.2 About This Book Architect solutions that leverage the full power of Spring Security while remaining loosely coupled. Implement various scenarios such as supporting existing user stores, user sign up, authentication, and supporting AJAX requests, Integrate with popular Microservice and Cloud services such as Zookeeper, Eureka, and Consul, along with advanced techniques, including OAuth, JSON Web Token's (JWT), Hashing, and encryption algorithms Who This Book Is For This book is intended for Java Web and/or RESTful webservice developers and assumes a basic understanding of creating Java 8, Java Web and/or RESTful webservice applications, XML, and the Spring Framework. You are not expected to have any previous experience with Spring Security. What You Will Learn Understand common security vulnerabilities and how to resolve them Learn to perform initial penetration testing to uncover common security vulnerabilities Implement authentication and authorization Learn to utilize existing corporate infrastructure such as LDAP, Active Directory,

Kerberos, CAS, OpenID, and OAuth Integrate with popular frameworks such as Spring, Spring-Boot, Spring-Data, JSF, Vaaden, jQuery, and AngularJS. Gain deep understanding of the security challenges with RESTful webservices and microservice architectures Integrate Spring with other security infrastructure components like LDAP, Apache Directory server and SAML In Detail Knowing that experienced hackers are itching to test your skills makes security one of the most difficult and high-pressured concerns of creating an application. The complexity of properly securing an application is compounded when you must also integrate this factor with existing code, new technologies, and other frameworks. Use this book to easily secure your Java application with the tried and trusted Spring Security framework, a powerful and highly customizable authentication and access-control framework. The book starts by integrating a variety of authentication mechanisms. It then demonstrates how to properly restrict access to your application. It also covers tips on integrating with some of the more popular web frameworks. An example of how Spring Security defends against session fixation, moves into concurrency control, and how you can utilize session management for administrative functions is also included. It concludes with advanced security scenarios for RESTful webservices and microservices, detailing the issues surrounding stateless authentication, and demonstrates a concise, step-by-step approach to solving those issues. And, by the end of the book, readers can rest assured that integrating version 4.2 of Spring Security will be a seamless endeavor from start to finish. Style and approach This practical step-by-step tutorial has plenty of example code coupled with the necessary screenshots and clear narration so that grasping content is made easier and quicker. This book is a tutorial, with plenty of step-by-step instructions beginning with "getting started" material, followed by

advanced coverage of this technology. The book has a practical approach towards the Spring MVC framework and is packed with practical examples and code. This book is targeted at Java web application developers who want to work on Spring Web Flow. This book is a must-read for those who desire to bridge the gap between the popular web framework and the popular application framework. It requires prior knowledge of the Spring framework, but no prior knowledge of Spring Web Flow.

"Developing your first Spring MVC web application is fun. In this course, you will learn the basics of developing a basic Todo management application using Spring MVC with login and logout functionalities. You will build the website step by step in 25 steps. This course would be a perfect first step as an introduction to Java web application development. You will be using Spring (dependency management), Spring MVC, Spring Security (authentication and authorization), Bootstrap (styling pages), Maven (dependency management), Eclipse (IDE), and Tomcat web server. We will help you set up each one of these."--Resource description page.

Spring MVC: Designing Real-World Web ApplicationsPackt Publishing Ltd

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