Spring Web Publishing

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.

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 "gothcas."

If you are a Java developer with experience in developing applications with Spring, then this book is perfect for you. A good working knowledge of Spring programming conventions and applying dependency injections is recommended to make the most of this book.

Spring Security in Action shows you how to prevent cross-site scripting and request forgery attacks before they do damage. You'll start with the basics, simulating password upgrades and adding multiple types of authorization. As your skills grow, you'll adapt Spring Security to new architectures and create advanced OAuth2 configurations. By the time you're done, you'll have a customized Spring Security configuration that protects against threats both common and extraordinary. Summary While creating secure applications is critically important, it can also be tedious and time-consuming to stitch together the required collection of tools. For Java developers, the powerful Spring Security framework makes it easy for you to bake security into your software from the very beginning. Filled with code samples and practical examples, Spring Security in Action teaches you how to secure your apps from the most common threats, ranging from injection attacks to lackluster monitoring. In it, you'll learn how to manage system users, configure secure endpoints, and use OAuth2 and OpenID Connect for authentication and authorization. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Security is non-negotiable. You rely on Spring applications to transmit data, verify credentials, and prevent attacks. Adopting "secure by design" principles will protect your network from data theft and unauthorized intrusions. About the book Spring Security in Action shows you how to prevent cross-site scripting and request forgery attacks before they do damage. You'll start with the basics, simulating password upgrades and adding multiple types of authorization. As your skills grow, you'll adapt Spring Security to new architectures and create advanced OAuth2 configurations. By the time you're done, you'll have a customized Spring Security configuration that protects against threats both common and extraordinary. What's inside Encoding passwords and authenticating users Securing endpoints Automating security testing Setting up a standalone authorization server About the reader For experienced Java and Spring developers. About the author Laurentiu Spilca is a dedicated development lead and trainer at Endava, with over ten years of Java experience. Table of Contents PART 1 - FIRST STEPS 1 Security Today 2 Hello Spring Security PART 2 - IMPLEMENTATION 3 Managing users 4 Dealing with passwords 5 Implementing authentication 6 Hands-on: A small secured web application 7 Configuring authorization:

Restricting access 8 Configuring authorization: Applying restrictions 9 Implementing filters 10 Applying CSRF protection and CORS 11 Hands-on: A separation of responsibilities 12 How does OAuth 2 work? 13 OAuth 2: Implementing the authorization server 14 OAuth 2: Implementing the resource server 15 OAuth 2: Using JWT and cryptographic signatures 16 Global method security: Pre- and postauthorizations 17 Global method security: Pre- and postfiltering 18 Hands-on: An OAuth 2 application 19 Spring Security for reactive apps 20 Spring Security testing

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.

"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.

Gain expertise in designing real-world web applications using the Spring MVC frameworkAbout This Book- Design your own Spring web applications using tools such as Spring Boot and Spring Tool Suite- Secure your developments with easy-to-write, reliable unit and end-to-end tests- Deploy your application on the cloud for free and invite the whole world to seeWho This Book Is ForThis book is perfect for developers who are familiar with the fundamentals of Spring programming and are eager to deepen their web development skills. Prior knowledge of the Spring MVC framework is recommended.What You Will Learn- Set up your own web application using Spring Boot and Spring Tool Suite- Discover the MVC architecture and the different tools along with navigating between views- Design complex advanced-level forms and validate the model- Craft a RESTful application with a meaningful API and error messages- Create maintainable unit and acceptance tests- Secure your application while allowing it to scale- Optimize your requests with caching, ETags, and asynchronous responses- Deploy the web application to the cloud in a snapIn DetailSpring 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.Mastering Spring MVC will take you on a journey from developing your own web application to uploading it on the cloud.You begin by generating your own Spring project using Spring Tool suite and Spring Boot.As you develop an advanced-level interactive application that can handle file uploads as well as complex URLs, you will dive into the inner workings of Spring MVC and the principles of modern web architectures.You will then test, secure, and optimize your Spring web application and design RESTful services that will be consumed on the frontend.Finally, when everything is ready, you will release your application on a cloud provider and invite everyone to see.Style and approachAn iterative hands-on approach in a conversational and easy-to-follow style. Each chapter will improve on the work done in the previous one until the application is ready to be released.

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.

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.

"Spring5 and React allow us to build a powerful web application that grabs the attention of Java developers. This video will be your one-stop guide to building an end-to-end, modern web app with two popular frameworks: Spring for the backend and React for the frontend. In this course, Spring is used to create the backend; you will learn to configure the Spring MVC and handle web requests. You will learn to build REST API endpoints and work with Spring's Data Access Layer using Hibernate as the ORM. You will then be introduced to other Spring components such as Spring Security, which will help you secure your backend (you'll also learn to test it). You will then move on to the frontend, where you will be introduced to React and its app development environment and components. At the end of the video, you will design your UI and create a SPA with React. Then you'll integrate your React app with the Spring backend using JSON APIs or REST protocols. Finally, you will learn to test and secure your application."--Resource description page.

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.

This book constitutes revised selected papers from the 15th International Conference on Web Information Systems and Technologies, WEBIST 20109 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.

"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 discuss how to secure our applications using authentication."--Resource description page.

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.

Summary Spring in Practice shows you how to tackle the challenges you face when you build Spring-based applications. The book empowers software developers to solve concrete business problems by mapping application-level issues to Spring-centric solutions. It diverges from other cookbooks because it presents the background you need to understand the domain in which a solution applies before it offers the specific steps to solve the problem. About this Book Spring in Practice covers 66 Spring development techniques and the practical issues you will encounter when using them. The book starts with three carefully crafted introductory chapters to get you up to speed on the fundamentals. And then, the core of the book takes you step-by-step through the important, practical techniques you will use no matter what type of application you're building. You'll hone your Spring skills with examples on user accounts, security, NoSQL data stores, and application integration. Along the way, you'll explore Spring-based approaches to domain-specific challenges like CRM, configuration management, and site reliability. What's Inside Covers Spring 3 Successful outcomes with integration testing Dozens of web app techniques using Spring MVC Practical examples and real-world context How to work effectively with data Each technique highlights something new or interesting about Spring and focuses on that concept in detail. This book assumes you have a good foundation in Java and Java EE. Prior exposure to Spring Framework is helpful but not required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Willie Wheeler is a Principal Applications Engineer with 16 years of experience in Java/Java EE and Spring Framework. Joshua White is a Solutions Architect in the financial and health services industries. He has worked with Spring Framework since its inception in 2002. Table of Contents Introducing Spring: the dependency injection container Data persistence, ORM, and transactions Building web applications with Spring Web MVC Basic web forms Enhancing Spring MVC applications with Web Flow Authenticating users Authorizing user requests Communicating with users and customers Creating a rich-text comment engine Integration testing Building a configuration management database Building an article-delivery engine Enterprise integration Creating a Spring-based "site-up" framework

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.

This book will take developers through the first steps of using Spring whilst discussing the relevant technologies that Spring can be integrated with, what to be aware of and how working with Spring makes them easier to use. It focuses on the most useful features of Spring, including persistence and transaction management as well as the complete Spring web tools portfolio, and also introduces 3-tier application design and how to test these designs. Ideal for J2EE beginners, this book provides a broad insight into Spring’s enterprise Java-based technologies, whilst showing how to use Spring correctly.

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.

Discover the latest features of Spring framework by building robust, fast, and reactive web applications Key Features Take advantage of all the features of Spring 5.0 with third party tools to build a robust back end Secure Spring based web application using Spring Security framework with LDAP and OAuth protocol Develop robust and scalable microservice based applications on Spring Cloud, using Spring Boot Book Description Spring makes it easy to create RESTful applications, merge with social services, communicate with modern databases, secure your system, and make your code modular and easy to test. With the arrival of Spring Boot, developers can really focus on the code and deliver great value, with minimal contour. This book will show you how to build various projects in Spring 5.0, using its features and third party tools. We'll start by creating a web application using Spring MVC, Spring Data, the World Bank API for some statistics on different countries, and MySQL database. Moving ahead, you'll build a RESTful web services application using Spring WebFlux framework. You'll be then taken through creating a Spring Boot-based simple blog management system, which uses Elasticsearch as the data store. Then, you'll use Spring Security with the LDAP libraries for authenticating users and create a central authentication and authorization server

using OAuth 2 protocol. Further, you'll understand how to create Spring Boot-based monolithic application using JHipster. Toward the end, we'll create an online book store with microservice architecture using Spring Cloud and Netflix OSS components, and a task management system using Spring and Kotlin. By the end of the book, you'll be able to create coherent and flexible real-time web applications using Spring Framework. What you will learn Build Spring based application using Bootstrap template and JQuery Understand the Spring WebFlux framework and how it uses Reactor library Interact with Elasticsearch for indexing, querying, and aggregating data Create a simple monolithic application using JHipster Use Spring Security and Spring Security LDAP and OAuth libraries for Authentication Develop a microservice-based application with Spring Cloud and Netflix Work on Spring Framework with Kotlin 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. You must have a good knowledge of Java programming and be familiar with the basics of Spring.

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.

This book is intended to be used as a reference for any Java developer who needs short but concise explanation and code snippets to solve their specific day-by-day problems, or simply willing to create lightweight Java Web Application using Spring Framework focusing on annotation-driven configuration. All the addressed chapters and code snippets within it, are available as full runnable web application through the examples. To summarize, what is used here is Java 8, Spring Framework version 4.3.3, Servlet specification 3.1, Log4j 2.6, Maven model version 4, Hibernate 5.1.2, JPA 2.1, Eclipse Neon and Tomcat 8.

"Developing RESTful web services is fun. The combination of Spring Boot, Spring Web MVC, Spring Web Services, and JPA makes it even more fun. And it's even more fun to create Microservices. There are two parts to this course - RESTful web services and Microservices. Architectures are moving towards Microservices. RESTful web services are the first step to developing great Microservices. Spring Boot, in combination with Spring Web MVC (also called Spring REST) makes it easy to develop RESTful web services. In the first part of the course, you will learn the basics of RESTful web services developing resources for a social media application. You will learn how to implement these resources with multiple features including versioning, exception handling, documentation (Swagger), basic authentication (Spring Security), filtering, and HATEOAS. You will learn the best practices in designing RESTful web services. In this part of the course, you will be using Spring (Dependency Management), Spring MVC (or Spring REST), Spring Boot, Spring Security (Authentication and Authorization), Spring Boot Actuator (Monitoring), Swagger (Documentation), Maven (dependencies management), Eclipse (IDE), Postman (REST Services Client), and the Tomcat embedded web server. We will help you set up each one of these. In the second part of the course, you will learn the basics of Microservices. You will understand how to implement Microservices using Spring Cloud. In this part of the course, you will learn how to establish communication between Microservices, enable load balancing, and the scaling up and down of Microservices. You will also learn to centralize the configuration of Microservices with Spring Cloud config server. You will implement the Eureka naming server and distributed tracing with Spring Cloud Sleuth, and Zipkin. You will create fault-tolerant Microservices with Zipkin."--Resource description page.

Completely revised hardcover edition of the leading Web publishing tutorial.

Become efficient in both frontend and backend web development with Spring and Vue Key Features Connect application’s frontend and backend with Vue, Vuex, and Spring Boot Leverage the latest web standards to enhance code performance, readability, and cross-compatibility Build secure full-stack web applications with Spring Security Book Description Building Applications with Spring 5 and Vue.js 2, with its practical approach, helps you become a full-stack web developer. As well as knowing how to write frontend and backend code, a developer has to tackle all problems encountered in the application development life cycle – starting from the simple idea of an application, to the UI and technical designs, and all the way to implementation, testing, production deployment, and monitoring. With the help of this book, you'll get to grips with Spring 5 and Vue.js 2 as you learn how to develop a web application. From the initial structuring to full deployment, you’ll be guided at every step of developing a web application from scratch with Vue.js 2 and Spring 5. You’ll learn how to create different components of your application as you progress through each chapter, followed by exploring different tools in these frameworks to expedite your development cycle. By the end of this book, you’ll have gained a complete understanding of the key design patterns and best practices that underpin professional full-stack web development. What you will learn Analyze requirements and design data models Develop a single-page application using Vue.js 2 and Spring 5 Practice concept, logical, and physical data modeling Design, implement, secure, and test RESTful API Add test cases to improve reliability of an application Monitor and deploy your application to production Who this book is for Building Applications with Spring 5.0 and Vue.js 2.0 is for you if you are developer who is new to Vue.js or Spring. It is assumed that you have some knowledge of HTML, CSS, and Java.

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 (JWS), 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 follows a cookbook style exploring various security solutions provided by Spring Security for various vulnerabilities and threat scenarios that web applications may be exposed to at the authentication and session level layers.This book is for all Spring-based application developers as well as Java web developers who wish to implement robust security mechanisms into web application development using Spring Security.Readers are assumed to have a working knowledge of Java web application development, a basic understanding of the Spring framework, and some knowledge of the fundamentals of the Spring Security framework architecture. Working knowledge of other web frameworks such as Grails and so on would be an added advantage to exploit the whole breadth of recipes provided in this book, but this is not mandatory.

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.

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.
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.
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.
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.
Getting started with Spring Framework (4th Edition) is a hands-on guide to begin developing applications using Spring Framework 5. The examples (consisting of 88 sample projects) that accompany this book are based on Spring 5.0.1 and Java 9. You can download the examples described in this book from the following GitHub project: github.com/getting-started-with-spring/4thEdition This book covers: - Spring Framework basics - Aspect-oriented programming - Database interaction using Spring and Hibernate/JPA - Spring Data JPA - Spring Data MongoDB - Messaging, emailing and caching support - Spring Web MVC - Developing RESTful web services using Spring Web MVC - Functional programming using lambdas and method references - Stream API - Reactive programming using RxJava 2 and Reactor - Spring WebFlux - Reactive support in Spring Data MongoDB and Spring Security - Developing reactive RESTful web services using Spring WebFlux, Spring Security and Spring Data MongoDB
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
Spring MVC: Designing Real-World Web ApplicationsPackt Publishing Ltd
Develop efficient and modern full-stack applications using Spring Boot and React 16 Key Features Develop resourceful backends using Spring Boot and faultless frontends using React. Explore the techniques involved in creating a full-stack app by going through a methodical approach. Learn to add CRUD functionalities and use Material UI in the user interface to make it more user-friendly. Book Description Apart from knowing how to write frontend and backend code, a full-stack engineer has to tackle all the problems that are encountered in the application development life cycle, starting from a simple idea to UI design, the technical design, and all the way to implementing, testing, production, deployment, and monitoring. This book covers the full set of technologies that you need to know to become a full-stack web developer with Spring Boot for the backend and

React for the frontend. This comprehensive guide demonstrates how to build a modern full-stack application in practice. This book will teach you how to build RESTful API endpoints and work with the data access Layer of Spring, using Hibernate as the ORM. As we move ahead, you will be introduced to the other components of Spring, such as Spring Security, which will teach you how to secure the backend. Then, we will move on to the frontend, where you will be introduced to React, a modern JavaScript library for building fast and reliable user interfaces, and its app development environment and components. You will also create a Docker container for your application. Finally, the book will lay out the best practices that underpin professional full-stack web development. What you will learn Create a RESTful web service with Spring Boot Understand how to use React for frontend programming Gain knowledge of how to create unit tests using JUnit Discover the techniques that go into securing the backend using Spring Security Learn how to use Material UI in the user interface to make it more user-friendly Create a React app by using the Create React App starter kit made by Facebook Who this book is for Java developers who are familiar with Spring, but have not yet built full-stack applications

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 ForSpring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

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."