

Getting Started With Spring Framework A Hands On Guide To Begin Developing Applications Using Spring Framework

Getting started with Spring Framework is a hands-on guide to begin developing applications using Spring Framework. This book is meant for Java developers with little or no knowledge of Spring Framework. All the examples shown in this book use Spring 3.2. You can download the examples (consisting of 40 sample projects) described in this book from the following Google Code project: code.google.com/p/getting-started-with-spring-framework/

Chapter 1 - Spring Framework basics
Chapter 2 - Configuring beans
Chapter 3 - Dependency injection
Chapter 4 - Customizing beans and bean definitions
Chapter 5 - Annotation-driven development with Spring
Chapter 6 - Database interaction using Spring
Chapter 7 - Messaging, emailing, asynchronous method execution, and caching using Spring
Chapter 8 - Aspect-oriented programming

This book covers:

- Specifying configuration metadata using XML and annotations
- Programmatically configuring Spring container and beans
- Configuring different types of bean properties
- Bean lifecycle interfaces
- Customizing beans using BeanPostProcessors and BeanFactoryPostProcessors
- Bean definition inheritance
- JSR 250's and 330's annotations for dependency injection
- Validation using JSR 303 (Bean Validation API) annotations and Spring's Validator interface
- SpEL (Spring Expression Language)
- Caching using Spring's cache abstraction
- Sending and receiving JMS messages using Spring
- Aspect-oriented programming support in Spring
- Sending emails using Spring
- Asynchronously executing methods using Spring
- Task scheduling
- Database interaction using JDBC and Hibernate
- Programmatic and declarative transaction management

The book shows a simple internet banking application that is developed incrementally in each chapter of the book and covers the topics mentioned above. You can post your feedback and questions to the authors in the following Google Groups forum: groups.google.com/forum/#!forum/getting-started-with-spring-framework

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

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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.

Master Spring basics and core topics, and share the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build the various tiers and parts of an enterprise Java application: transactions, web and presentation tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in Pro Spring 5 and see how they work together. This book updates the perennial bestseller with the latest that the new Spring Framework 5 has to offer. Now in its fifth edition, this popular title is by far the most comprehensive and definitive treatment of Spring available. It covers the new functional web framework and interoperability with Java 9. After reading this definitive book, you'll be armed with the power of Spring to build complex Spring applications, top to bottom. The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open-source, agile, and lightweight Java technologies such as Hibernate, Groovy, MyBatis, and more. Spring now works with Java EE and JPA 2 as well. What You'll Learn Discover what's new in Spring Framework 5 Use the Spring Framework with Java 9 Master data access and transactions Work with the new functional web framework Create microservices and other web services Who This Book Is For Experienced Java and enterprise Java developers and programmers. Some experience with Spring highly recommended.

Spring MVC Framework is an open source Java platform that provides comprehensive infrastructure support for developing robust Java based Web applications very easily and very rapidly. Spring Framework was initially written by Rod Johnson and was first

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released under the Apache 2.0 license in June 2003. This tutorial is written based on the Spring Framework Version 4.1.6 released in March 2015. Audience This tutorial is designed for Java programmers with a need to understand the Spring MVC Framework in detail along with its architecture and actual usage. This tutorial is intended to make you comfortable in getting started with the Spring MVC Framework and its various functions. Prerequisites This tutorial is designed for Java programmers with a need to understand the Spring MVC Framework in detail along with its architecture and actual usage. This tutorial will bring you at the intermediate level of expertise from where you can take yourself to a higher level of expertise.

Learn and use the design patterns and best practices in Spring to solve common design problems and build user-friendly microservices Key Features Study the benefits of using the right design pattern in your toolkit Manage your code easily with Spring's dependency injection pattern Explore the features of Docker and Mesos to build successful microservices Book Description Getting Started with Spring Microservices begins with an overview of the Spring Framework 5.0, its design patterns, and its guidelines that enable you to implement responsive microservices at scale. You will learn how to use GoF patterns in application design. You will understand the dependency injection pattern, which is the main principle behind the decoupling process of the Spring Framework and makes it easier to manage your code. Then, you will learn how to use proxy patterns in aspect-oriented programming and remoting. Moving on, you will understand the JDBC template patterns and their use in abstracting database access. After understanding the basics, you will move on to more advanced topics, such as reactive streams and concurrency. Written to the latest specifications of Spring that focuses on Reactive Programming, the Learning Path teaches you how to build modern, internet-scale Java applications in no time. Next, you will understand how Spring Boot is used to deploying serverless autonomous services by removing the need to have a heavyweight application server. You'll also explore ways to deploy your microservices to Docker and managing them with Mesos. By the end of this Learning Path, you will have the clarity and confidence for implementing microservices using Spring Framework. This Learning Path includes content from the following Packt products: Spring 5 Microservices by Rajesh R V Spring 5 Design Patterns by Dinesh Rajput What you will learn Develop applications using dependency injection patterns Build web applications using traditional Spring MVC patterns Utilize the reactive programming pattern to build reactive web apps Learn concurrency and handle multiple connections inside a web server Use Spring Boot and Spring Cloud to develop microservices Leverage reactive programming to build cloud-native applications Who this book is for Getting Started with Spring Microservices is ideal for Spring developers who want to use design patterns to solve common design problems and build cloud-ready, Internet-scale applications, and simple RESTful services.

Get started with Spring Framework 5 and its ecosystem, with a guide to the working practices in modern development. This book will teach you how to use the Spring Framework to build Java-based applications, web applications, and microservices. You'll see how Spring has drastically and positively affected the way we program and design applications in Java. Beginning Spring 5 discusses how you can build apps with the Spring mindset and what the benefits of that mindset are. Along the way you will learn many aspects of the Spring ecosystem with easy-to-understand applications designed to teach you not only the technology, but

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also the practices that benefit the most from Spring. What You Will Learn Discover the most common use cases encountered in the real world Create reliable, tested, modular software, building skills that will translate well across all languages and environments. Integrate and use data access and persistence frameworks such as Hibernate, JPA, and MongoDB Program functional or reactive Java with the latest Spring 5 features including WebFlux Who This Book Is For Those who are new to Spring or for those who have experience with Spring but want to learn what's new in Spring 5. This book assumes you have some prior coding experience in Java at least.

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

Spring Roo goes a step beyond the Spring Framework by bringing true Rapid Application Development to Java—just as Grails has done with Groovy. This concise introduction shows you how to build applications with Roo, using the framework's shell as an intelligent and timesaving code-completion tool. It's an ideal RAD tool because Roo does much of the tedious code maintenance. You'll get started by building a simple customer relationship management application, complete with step-by-step instructions and code examples. Learn how to control any part of the application with Roo's opt-in feature, while using this open source framework to automate the rest of the code. Set up a Spring application and working Maven build to see Roo in action Address persistence with JPA and the Neo4j graph database—and learn how Roo supports NoSQL databases Use Roo's database reverse-engineering feature to generate a data model from an existing schema Build Roo applications with Spring MVC, Spring WebFlow, Google Web Toolkit, Vaadin, and other web frameworks Secure and test your application

With an actionable and hands-on approach, this custom tailored resource gives you a head start in learning how to build microservices with Spring Boot by leading you, step-by-step, through the process. --

Connect your enterprise to a wide range of SaaS platforms, Open APIs, and social networks quickly and without difficulty. Through step-by-step instructions and numerous real-world examples, this concise guide shows you how to seamlessly integrate the external services you need with Mule ESB and its powerful Cloud Connect toolset. You'll learn how to use service-specific connectors for many popular APIs—including Salesforce, Twitter, LinkedIn, and Twilio—through easy-to-learn abstractions. If Mule doesn't have a connector for the resource you need, you'll learn how to build your own. You'll discover how easy it is to reach

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beyond the enterprise firewall for a host of Internet resources. Discover the advantages of using Mule Cloud Connect over typical web service clients and protocols Learn how Cloud Connectors eliminate the need to understand the underlying API of each service Get started with the latest real-time technologies, including REST, WebHooks, and Streaming APIs Integrate OAuth secure APIs and understand their role in authorization and information sharing Delve into advanced topics such as multi-tenancy and connection management Build your own custom connectors with the Mule DevKit

"Spring 5.0 is due to arrive with a myriad of new and exciting features that will change the way we've used the framework so far. This video will show you this evolution--from solving the problems of testable applications to building distributed applications on the cloud. The video begins with an insight into the new features in Spring 5.0 and shows you how to build an application using Spring MVC. The advanced features of Spring Boot will be illustrated through powerful examples. We will be introduced to a JVM language that's quickly gaining popularity - Kotlin. Also, we will discuss how to set up a Kotlin project in Eclipse. By the end of the video, you will be equipped with the knowledge and best practices required to develop microservices with the Spring Framework."--Resource description page.

This IBM® Redbooks® publication introduces OSGi applications and Java™ Persistence API (JPA) 2.0 technology and describes their implementation in the Feature Pack for OSGi Applications and JPA 2.0 for WebSphere Application Server 7.0. The book will help you understand the position of these new technologies as well as how to use them for Java enterprise development in a WebSphere Application Server environment. Though synergetic, both technologies can be used in isolation. This publication is structured to appeal to administrators, application developers, and all those individuals using the technologies together or independently. The book is split into two parts. Part 1, "Architecture and overview" on page 1 introduces OSGi applications and JPA 2.0 and describes how to set up a development and test environment. Part 2, "Examples" on page 55 uses examples to illustrate how to exploit the features of OSGi applications and JPA 2.0.

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

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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.

Spring Framework makes life easier for Java developers. New features in Spring 5 bring its productivity-focused approach to microservices, reactive development, and other modern application designs. With Spring Boot now fully integrated, you can start even complex projects with minimal configuration code. And the upgraded WebFlux framework supports reactive apps right out of the box! "Spring in action, fifth edition" guides you through Spring's core features, explained in Craig Walls' famously clear style. You'll roll up your sleeves and build a secure database-backed web app step by step. Along the way, you'll explore reactive programming, microservices, service discovery, RESTful APIs, deployment, and expert best practices. Whether you're just discovering Spring or leveling up to Spring 5, this manning classic is your ticket!

The Spring framework is a widely adopted enterprise and general Java framework. The release of Spring Framework 3.0 has added many improvements and new features for Spring development. Written by Gary Mak, author of the bestseller Spring Recipes, and Josh Long, an expert Spring user and developer, Spring Enterprise Recipes is one of the first books on Spring 3.0. This key book focuses on Spring Framework 3.0, the latest version available, and a framework-related suite of tools, extensions, plug-ins, modules, and more—all of which you may want and need for building three-tier Java EE applications. Build Spring enterprise and Java EE applications from the ground up using recipes from this book as templates to get you started, fast. Employ Spring Integration, Spring Batch and jBPM with Spring to bring your application's architecture to the next level. Use Spring's remoting, and messaging support to distribute your application, or bring your application to the cloud with GridGain and Terracotta. This book is for both novice developers in general and experienced Spring developers. It will teach you how to override Spring Boot's opinions and frees you from the need to define complicated configurations.

Getting started with Spring Framework is a hands-on guide to begin developing applications using Spring Framework. This book is meant for Java developers with little or no knowledge of Spring Framework. Getting started with Spring Framework, Third Edition has been updated to reflect changes in Spring 4.3 and also includes new chapters on Java-based configuration and Spring Data (covers Spring Data JPA and Spring Data MongoDB projects). The existing chapters have been revised to include information on Java-based configuration. The book also includes some new information on bean definition profiles, importing application context XML files, lazy autowiring, creating custom qualifier annotations, JSR 349 annotations, spring-messaging module, Java 8's Optional type, and more. The examples that accompany this book are based on Spring 4.3 and Java 8. You can download the examples (consisting of 74 sample projects) described in this book from the following GitHub project: <https://github.com/getting-started-with-spring/3rdEdition> Chapter 1 - Introduction to Spring Framework Chapter 2 - Spring Framework basics Chapter 3 - Configuring beans Chapter 4 - Dependency injection Chapter 5 - Customizing beans and bean definitions

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Chapter 6 - Annotation-driven development with Spring Chapter 7 - Java-based container configuration (New) Chapter 8 - Database interaction using Spring Chapter 9 - Spring Data (New) Chapter 10 - Messaging, emailing, asynchronous method execution, and caching using Spring Chapter 11 - Aspect-oriented programming Chapter 12 - Spring Web MVC basics Chapter 13 - Validation and data binding in Spring Web MVC Chapter 14 - Developing RESTful web services using Spring Web MVC Chapter 15 - More Spring Web MVC - internationalization, file upload and asynchronous request processing Chapter 16 - Securing applications using Spring Security You can post your questions and feedback on the following Google group: <https://groups.google.com/forum/#!forum/getting-started-with-spring-framework> Use Spring Boot to build lightning-fast apps About This Book Get up to date with the defining characteristics of Spring Boot 2.0 in Spring Framework 5 Learn to perform Reactive programming with SpringBoot Learn about developer tools, AMQP messaging, WebSockets, security, MongoDB data access, REST, and more Who This Book Is For This book is designed for both novices and experienced Spring developers. It will teach you how to override Spring Boot's opinions and frees you from the need to define complicated configurations. What You Will Learn Create powerful, production-grade applications and services with minimal fuss Support multiple environments with one artifact, and add production-grade support with features Find out how to tweak your apps through different properties Use custom metrics to track the number of messages published and consumed Enhance the security model of your apps Make use of reactive programming in Spring Boot Build anything from lightweight unit tests to fully running embedded web container integration tests In Detail Spring Boot provides a variety of features that address today's business needs along with today's scalable requirements. In this book, you will learn how to leverage powerful databases and Spring Boot's state-of-the-art WebFlux framework. This practical guide will help you get up and running with all the latest features of Spring Boot, especially the new Reactor-based toolkit. The book starts off by helping you build a simple app, then shows you how to bundle and deploy it to the cloud. From here, we take you through reactive programming, showing you how to interact with controllers and templates and handle data access. Once you're done, you can start writing unit tests, slice tests, embedded container tests, and even autoconfiguration tests. We go into detail about developer tools, AMQP messaging, WebSockets, security, and deployment. You will learn how to secure your application using both routes and method-based rules. By the end of the book, you'll have built a social media platform from which to apply the lessons you have learned to any problem. If you want a good understanding of building scalable applications using the core functionality of Spring Boot, this is the book for you. Style and approach This book takes a tutorial-based approach to teach you all you need to know to get up and running with the latest version of Spring Boot. Filled with examples, you will gain hands-on experience of every area that Spring tackles.

Learn the core fundamentals of Spring Boot 2.0 framework to fast-track your development process About This Video Practical, real-world examples, giving you the skills to create amazing applications with the Spring Boot 2 framework Explore and learn the tools and techniques needed to create reliable applications with the core functionalities of Spring Boot Learn Spring Boot in a way that will advance your career and fast-track your development process In Detail As a developer, a key aim is to simplify your Java application development process. Spring Boot provides some impressive features to simplify writing your code, and do so with minimal effort. This course begins by helping you configure Spring Boot, then shows you a practical implementation of its various features. You'll learn techniques to write more efficient code and enable enhanced security. You'll learn to use Spring Initializr, CLI, Actuators, and Spring's Developer Tools with ease using the new features version 2.0. This course will save you time and effort learning about new tools and technologies to achieve your business goals. By the end of the course, you'll be confident with the fundamentals and features of Spring Boot 2 to save time developing applications and

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projects that capitalize upon various modules under the Spring umbrella. This new tool from Pivotal simplifies the usage of the Spring Framework through auto-configuration. In this course, veteran software developer Kevin Bowersox teaches Spring Boot from the ground up, helping beginner to intermediate Java developers unlock the true potential of the Spring Framework. Working files are included to allow you to work alongside the author in this project, learning with the same files that he is using in the training. Learn to create Spring Boot projects with Maven and Gradle; Use JDBC or Spring Data to quickly set up an application that persists data; Leverage caching support with Ehcache; Use Spring Security to construct applications; Set up a Spring MVC project to build a dynamic web application; Run application diagnostics with Spring Boot Actuator; Dive into real projects with hands-on lessons."--Resource description page.

Getting Started with Spring Framework Covers Spring 5 Createspace Independent Publishing Platform

Pro Spring updates the perennial bestseller with the latest that the Spring Framework 4 has to offer. Now in its fourth edition, this popular book is by far the most comprehensive and definitive treatment of Spring available. With Pro Spring, you'll learn Spring basics and core topics, and share the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build the various tiers or parts of an enterprise Java application: transactions, web and presentation tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in this book and see how they work together. The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open-source, agile, and lightweight Java technologies such as Hibernate, Groovy, MyBatis, and more. Spring now works with Java EE and JPA 2 as well. After reading this definitive book, you'll be armed with the power of Spring to build complex Spring applications, top to bottom.

Getting started with Spring Framework, Second Edition includes new chapters on Spring Web MVC, RESTful Web Services and Spring Security. This book is meant for Java developers with little or no knowledge of Spring Framework. All the examples shown in this book use Spring 4. You can download the examples (consisting of 60 sample projects) described in this book from the following Google Code project: <https://code.google.com/p/getting-started-with-spring-framework-2edition/>
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Chapter 9 - Aspect-oriented programming
Chapter 10 – Spring Web MVC basics
Chapter 11 – Validation and data binding in Spring Web MVC
Chapter 12 – Developing RESTful web services using Spring Web MVC
Chapter 13 – More Spring Web MVC – internationalization, file upload and asynchronous request processing
Chapter 14 – Securing applications using Spring Security
This book covers:- Specifying configuration metadata using XML and annotations- Programmatically configuring Spring container and beans- Configuring different types of bean properties- Bean lifecycle interfaces- Customizing beans using BeanPostProcessors and BeanFactoryPostProcessors- Bean definition inheritance - JSR 250's and 330's annotations for dependency injection- Validation using JSR 303 (Bean Validation API) annotations and Spring's Validator interface - SpEL (Spring Expression Language)

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- Caching using Spring's cache abstraction- Sending and receiving JMS messages using Spring- Aspect-oriented programming support in Spring- Sending emails using Spring- Asynchronously executing methods using Spring- Task scheduling - Database interaction using JDBC and Hibernate- Programmatic and declarative transaction management- Developing web applications using Spring Web MVC- Data binding and validation in Spring Web MVC- Type conversion and formatting support in Spring- Spring's form tag library- Internationalization and file upload support- Asynchronous request processing- Developing RESTful Web Services using Spring Web MVC- Implementing web request security using Spring Security- Implementing method-level security using Spring Security- Implementing ACL-based security using Spring Security's ACL module

The book shows a simple internet banking application that is developed incrementally in each chapter of the book and covers the topics mentioned above. You can post your feedback and questions to the authors in the following Google Groups forum:groups.google.com/forum/#!forum/getting-started-with-spring-framework

Service Component Architecture (SCA) defines a service-based model for building business process applications using an SOA approach. This ability to drive a business process using individual, reusable services is the heart of the SOA concept. With IBM® WebSphere® Application Server Feature Pack for Service Component Architecture, you can deploy SCA applications to WebSphere Application Server. This IBM Redpaper™ publication provides a starting point for using the Feature Pack for SCA. It provides an architectural view of SCA and of the Feature Pack. In addition, this paper explains how to create simple SCA components from existing Java™ and Spring implementations. It discusses how to apply quality of service to applications, and how to deploy and manage SCA artifacts in WebSphere Application Server. The examples in this paper use Rational® Application Developer to illustrate how to create and package SCA applications.

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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.

Chapter 1 of this book is now available online: bit.ly/2z8ErGg 4th Edition reflects changes to Spring 5, and includes new chapters on Functional and Reactive application development. Reactive application development chapters cover Reactive Streams specification, RxJava 2, Reactor, Spring WebFlux, and reactive support in Spring Data and Spring Security. 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 -

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Developing reactive RESTful web services using Spring WebFlux, Spring Security and Spring Data MongoDB

If you are an application developer with some experience in software testing and want to learn more about testing frameworks, then this technology and book is for you. Mockito for Spring will be perfect as your next step towards becoming a competent software tester with Spring and Mockito.

The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open-source, agile and lightweight Java technologies like Hibernate, Groovy, MyBatis, and more. Spring now also works with Java EE and JPA 2 as well. Pro Spring 3 updates the bestselling Pro Spring with the latest that the Spring Framework has to offer: version 3.1. At 1000 pages, this is by far the most comprehensive Spring book available, thoroughly exploring the power of Spring. With Pro Spring 3, you'll learn Spring basics and core topics, and gain access to the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build various tiers or parts of an enterprise Java application like transactions, the web and presentations tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in this book and see how they work together. After reading this definitive book, you'll be armed with the power of Spring to build complex Spring applications, top to bottom.

Spring MVC Framework is an open source Java platform that provides comprehensive infrastructure support for developing robust Java based Web applications very easily and very rapidly. Spring Framework was initially written by Rod Johnson and was first released under the Apache 2.0 license in June 2003. This book is written based on the Spring Framework Version 4.1.6 released in March 2015. This book is designed for Java programmers with a need to understand the Spring MVC Framework in detail along with its architecture and actual usage. This book is intended to make you comfortable in getting started with the Spring MVC Framework and its various functions. This book is designed for Java programmers with a need to understand the Spring MVC Framework in detail along with its architecture and actual usage. This book will bring you at the intermediate level of expertise from where you can take yourself to a higher level of expertise.

Salient Features:- Covers various utilities provided by Spring framework· Discusses Hibernate, a framework for mapping and object oriented model · Supported by codes and program-snippets

Pro Spring 2 is the perfect, simple answer for your lightweight, alternative Java EE development needs! Put simply, this book brings J2EE/Java EE "down to earth." Without the hassles of using the EJB 3 specification and similar, you can build lighter, better-performing agile enterprise Java-based applications using Spring Framework 2. The Spring framework can also integrate other noteworthy and hot open source tools like Apache Struts, Hibernate, OpenJPA, GlassFish, and many more. You'll work through a real, scalable enterprise application and build it from the ground up with Spring, using all the multiple web views and frameworks.

Getting started with Java programming language is a hands-on guide to begin developing programs using Java. This book is meant for students and professionals with little or no knowledge of Java. The examples that accompany this book are based on Java 8. You can download the examples (consisting of 30 sample projects) discussed in this book from the following Google Drive location: <https://drive.google.com/open?id=0B1lwsLB5TOglZXYxWW9JMndUX3M>. Chapter 1 - Hello World! Chapter 2 - Variables, data types and operators

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Chapter 3 - Control flow statements Chapter 4 - Objects, classes and methods Chapter 5 - Packages, access modifiers, static and 2this keywords Chapter 6 - Object-oriented programming concepts Chapter 7 - Abstract classes and interfaces Chapter 8 - Exception handling Chapter 9 - Arrays, immutability, recursive methods and wrapper classes

Spring Start Here teaches you how to build professional-quality applications using Spring and Spring Boot. Spring is a massive ecosystem and a must-learn tool for Java developers. Spring Start Here introduces you to Java development with Spring by concentrating on the core concepts you'll use in every application you build. You'll learn how to refactor an existing application to Spring, how to use Spring tools to make SQL database requests and REST calls, and how to secure your projects with Spring Security. Spring Start Here teaches you how to build professional-quality applications using Spring and Spring Boot. You'll start with the core components of the framework and then learn how features like Spring Boot simplify the tedious repetitive tasks you face in every project. When you're done, you'll be able to create Spring apps, secure them with authentication and authorization, and move on to the next exciting steps of your Spring journey. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

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