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While the look and feel of an enterprise web application is certainly important, developers often find themselves spending far too much time on frontend presentation before coding the business logic of their application. Jakarta Struts addresses this issue by combining Java Servlets, Java ServerPages (JSPs), custom tags, and messaging resources into a unified, reusable framework. The result is a cooperative, synergistic platform that's efficient and suitable for independent developers, large development teams, and everyone in between. Since the initial publication of Programming Jakarta Struts, the Struts open source project has become even more popular. However, documentation for this exciting technology remains woefully limited-most guides are far too basic and lack critical information needed by developers who are writing today's complex web applications. This revised and expanded edition of Programming Jakarta Struts fills the information gap by providing up-to-date information on working with the recently released Struts 1.1. The new edition includes completely new chapters on security and integrating the new JavaServerFaces (JSF) APIs, JavaServer Pages Standard Tag Library (JSTL), and Expression Language (EL) with Struts. With each enterprise system he's developed, author Chuck Cavaness has spent many grueling hours learning invaluable lessons about Struts and figuring out the most efficient way to build web applications. He saves you time and headaches by sharing that invaluable real-world experience in a realistic, practical, "here's how to do it" guide on using the Struts Framework to its fullest potential. Swing is a fully-featured user interface development kit for Java applications. Building on the foundations of the Abstract Window Toolkit (AWT),

Swing enables cross-platform applications to use any of several pluggable look-and-feels. Swing developers can take advantage of its rich, flexible features and modular components, building elegant user interfaces with very little code. This second edition of Java Swing thoroughly covers all the features available in Java 2 SDK 1.3 and 1.4. More than simply a reference, this new edition takes a practical approach. It is a book by developers for developers, with hundreds of useful examples, from beginning level to advanced, covering every component available in Swing. All these features mean that there's a lot to learn. Even setting aside its platform flexibility, Swing compares favorably with any widely available user interface toolkit—it has great depth. Swing makes it easy to do simple things but is powerful enough to create complex, intricate interfaces. Java Swing, 2nd edition includes :

- A new chapter on Drag and Drop
- Accessibility features for creating a user interface meeting the needs of all users
- Coverage of the improved key binding infrastructure introduced in SDK 1.3
- A new chapter on JFormattedTextField and input validation
- Mac OS X coverage and examples
- Coverage of the improved focus system introduced in SDK 1.4
- Pluggable Look-and-Feel coverage
- Coverage of the new layout manager, SpringLayout, from SDK 1.4
- Properties tables that summarize important features of each component
- Coverage of the 1.4 Spinner component
- Details about using HTML in components
- A new appendix listing bound actions for each component
- A supporting web site with utilities, examples, and supplemental materials

Whether you're a seasoned Java developer or just trying to find out what Java can do, you'll find Java Swing, 2nd edition an indispensable guide. Learn the fundamentals of ASP.NET MVC and build real-world web applications using ASP.NET Core MVC

About This Book Get a first-principles coverage of ASP.NET MVC and the latest release, Core This book is uniquely designed for developers who are looking to transition their skills into the .NET development field

The standalone chapter structure leaves you free to explore ASP.NET MVC to immediately solve your pain points

Who This Book Is For This book is for developers who want to learn to build web applications using ASP.NET Core, developers who want to make a career building web applications using Microsoft technology, and developers who are working in Ruby on Rails or other web frameworks and want to learn ASP.NET Core MVC. No knowledge of the ASP.NET platform or the .NET platform is required. Even though you do not need to have experience in C#, an understanding of the basic constructs (loops, conditionals, classes, and objects) of any modern programming language would be helpful.

What You Will Learn Get to know the concepts of ASP.NET MVC and build a new static web page using HTML, CSS, and jQuery

Set up a development environment and run a sample application using the template

Create a Controller with action methods

Build a view using several features of the Razor View engine

Construct a Model for ASP.NET Core MVC application

Devise a custom mechanism to provide maximum flexibility to your application through routing

Validate the user input on the client side using jQuery

Enhance your applications using Bootstrap

Explore new configuration and deployment scenarios—step by step guide to deploying ASP.NET Core web application in Linux

In Detail ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications which can be deployed on non-windows platforms such as Linux. In today's age, it is crucial that you possess the ability to separate the programming and business logic, and this is exactly what ASP.NET Core MVC application will help you achieve. This version comes with a number of improvements that enable fast, TDD-friendly development to create sophisticated applications. You would also learn the fundamentals of Entity framework and on how to use the same in ASP.NET Core web applications. The book presents the fundamentals and philosophies of ASP.NET Core. Starting with an overview of the MVC pattern, we quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating

your application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will be able to execute with this fast-paced guide. The end of the book will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Style and approach This book takes a first-principles approach to help you understand and implement ASP.NET MVC solutions. It is focused primarily on giving you practical skills rather than the old conventional theoretical teaching. The ASP.NET MVC framework is the latest evolution of Microsoft's ASP.NET web platform. It introduces a radical high-productivity programming model, promotes cleaner code architecture, supports test-driven development, and provides powerful extensibility, combined with all the benefits of ASP.NET 3.5. ASP.NET MVC Framework Preview is a first look at this technology's main features, designed to give you a head start getting to grips with this powerful new technology. Learn to implement ASP.NET Core features to build effective software that can be scaled and maintained easily Key Features Practical solutions to recurring issues in the web development world Recipes on the latest features of ASP.Net Core 2.0 Coverage of Bootstrap, Angular, and JavaScript lets you supercharge your frontend Book Description The ASP.NET Core 2.0 Framework has been designed to meet all the needs of today's web developers. It provides better control, support for test-driven development, and cleaner code. Moreover, it's lightweight and allows you to run apps on Windows, OSX and Linux, making it the most popular web framework with modern day developers. This book takes a unique approach to web development, using real-world examples to guide you through problems with ASP.NET Core 2.0 web applications. It covers Visual Studio 2017- and ASP.NET Core 2.0-specific changes and provides general MVC development recipes. It explores setting up .NET Core, Visual Studio 2017, Node.js modules, and NuGet. Next, it shows you how to work with Inversion of Control data pattern and caching. We explore everyday ASP.NET Core MVC 2.0 patterns and go beyond it into troubleshooting. Finally, we lead you through migrating, hosting, and deploying your code. By the end of the book, you'll not only have explored every aspect of ASP.NET Core MVC 2.0, you'll also have a reference you can keep coming back to whenever you need to get the job done. What you will learn Build ASP.Net Core 2.0 applications using HTTP services with WebApi Learn to unit-test, load test, and perform test applications using client-side and server-side frameworks Debug, monitor and troubleshoot ASP.Net Core 2.0 applications using popular tools Reuse components with NuGet and create modular components with middleware Create applications using client-side technologies such as HTML5, JavaScript, jQuery, and Angular Build responsive and dynamic UIs for your MVC apps using Bootstrap Leverage tools like Karma, Jasmine, QUnit, xUnit, Selenium, Microsoft Fakes, and Visual Studio 2017 Enterprise Who this book is for This book is written for the ASP.NET developer who wants to deliver professional-standard software, quickly and efficiently. It's filled with hands-on recipes, practical advice, and guidance to help developers with every aspect of the ASP.NET development cycle. Whether you've just started out or are a seasoned pro, the Asp.Net Core 2.0 Cookbook is written for you. 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. Summary ASP.NET MVC 4 in Action is a fast-paced tutorial designed to introduce ASP.NET MVC to .NET developers and show how to apply it effectively. All examples in this revised edition are based on ASP.NET MVC 4, so you'll get full coverage of features such as the Razor view engine, Web Matrix helpers, and improved extensibility. You'll see how your ASP.NET applications can benefit from changes in the .NET Framework. About the Technology ASP.NET MVC provides the architecture needed to separate an application's logic and its UI. Because each component's role is well defined, MVC applications are easy to test, maintain, and extend. The latest version, ASP.NET MVC 4, takes advantage of .NET 4 and includes powerful features like the Razor view engine, Web Matrix helpers, and enhanced extensibility. About the Book ASP.NET MVC 4 in Action is a hands-on guide that shows you how to apply ASP.NET MVC effectively. After a high-speed ramp up, this thoroughly revised new edition explores each key topic with a self-contained example so you can jump right to the parts you need. Based on thousands of hours of real-world experience, the authors show you valuable high-end techniques you won't find anywhere else. Written for developers, the book arms you with the next-level skills and practical guidance to create compelling web applications. You need some knowledge of ASP.NET and C#, but no prior ASP.NET MVC experience is assumed. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Complete coverage of ASP.NET MVC 4 The new Web API Full-system testing About the Authors Jeffrey Palermo, Jimmy Bogard, Eric Hexter, Matthew Hinze, and Jeremy Skinner are all ASP.NET MVPs, ASP insiders, and early adopters of ASP.NET MVC.

===== Table of Contents PART 1 HIGH-SPEED FUNDAMENTALS Introduction to ASP.NET MVC Hello MVC world View fundamentals Action-packed controllers PART 2 WORKING WITH ASP.NET MVC View models Validation Ajax in ASP.NET MVC Security Controlling URLs with routing Model binders and value providers Mapping with AutoMapper Lightweight controllers Organization with areas Third-party components Data access with NHibernate PART 3 MASTERING ASP.NET MVC Extending the controller Advanced view techniques Dependency injection and extensibility Portable areas Full system testing Hosting ASP.NET MVC applications Deployment techniques Upgrading to ASP.NET MVC 4 ASP.NET Web API Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C. Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's Clean Architecture doesn't merely

present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you'll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it

Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail"

Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else's designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available. Gain expertise in designing real-world web applications using the Spring MVC framework

About 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 see

Who This Book Is For This 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 snap

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.

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 approach An 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. This one hundred page book focuses exclusively on how you can best use the ASP.NET MVC 4 Framework to build world-class REST services using the Web API. It sets aside much of what the ASP.NET MVC Framework can do, and focuses exclusively on how the Web API can help you build web services. You will not find any help on CSS, HTML, JavaScript, or jQuery. Nor will you find any help on the Razor view engine, HTML Helpers, or model binding. If you need this information then Pro ASP.NET MVC 4 is your perfect book.

ASP.NET MVC 4 and the Web API: Building a REST Service from Start to

Finish helps you build cutting-edge REST services using ASP.NET MVC 4 and the Web API in more depth and detail than any other resource. ASP.NET MVC has always been a good platform on which to implement REST, but with the advent of the Web API it has now become even better. This book will show you why it's great and how to get the most from it. Author Jamie Kurtz will take you from zero to full-blown REST service hero in no time at all. And you'll even learn how to incorporate some popular open source tools along the way: little or no experience with ASP.NET or the MVC Framework is required. In this document, a Web Application is presented that demonstrates the features and characteristics of the MVC architecture and Spring Framework. All the development technologies that are used in the Web-application will be discussed along with the Object-Oriented-Analysis and Design methodology. ASP.NET MVC (Model View Framework) allows you to use ready-to-use MVC code so you can develop Web applications faster. This book's cut-to-the-chase approach gets you up to speed on the new ASP.NET MVC without getting bogging you down in learning or re-learning ASP.NET itself. You'll receive straightforward instruction on concepts, backed by real-world case studies and examples that offer practical solutions. Topics include test-driven development and unit testing, the principles of the MVC pattern, how to implement it, how to move from traditional ASP.NET Webforms to ASP.NET MVC, and much more. The ASP.NET MVC 4 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET. ASP.NET MVC 4 contains a number of significant advances over previous versions. New mobile and desktop templates (employing adaptive rendering) are included together with support for jQuery Mobile for the first time. New display modes allow your application to select views based on the browser that's making the request while Code Generation Recipes for Visual Studio help you auto-generate project-specific code for a wide variety of situations including NuGet support. In this fourth edition, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with the latest C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice. The book's authors, Steve Sanderson and Adam Freeman, have both watched the growth of ASP.NET MVC since its first release. Steve is a well-known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools team. Adam started designing and building web applications 15 years ago and has been responsible for some of the world's largest and most ambitious projects. You can be sure you are in safe hands. This book introduces ASP.NET Core 3.1 MVC. It assumes the readers are familiar with C#, HTML, and Bootstrap. In this book, world-renowned ASP.NET expert and member of the Microsoft ASP.NET team Stephen Walther shows experienced developers how to use Microsoft's new ASP.NET MVC Framework to build web applications that are more powerful, flexible, testable, manageable, scalable, and extensible. Writing for professional programmers, Walther explains the crucial concepts that make the Model-View-Controller (MVC) development paradigm work so well and shows exactly how to apply them with the ASP.NET MVC Framework. From controllers and actions to views and models, Walther demonstrates how to apply each ASP.NET MVC Framework feature in real-world projects. In Part II, you'll walk step-by-step through building a full-fledged ASP.NET MVC blog application that implements capabilities ranging from data access to validation. Through this case study, you'll learn how to build ASP.NET MVC applications using test-driven development processes that enable rapid feedback, greater productivity, and better quality. Throughout, Walther presents extensive code examples,

reflecting his unsurpassed experience as an ASP.NET instructor, a leading commercial developer, and now as a member of Microsoft's ASP.NET development team. Understand how to: Build enterprise-scale web applications far more rapidly and effectively Develop web applications that are easier to maintain and extend over time Gain unprecedented control over the appearance of your website or application Expose intuitive URLs that are friendlier to search engines and users alike Create ASP.NET MVC models that contain all your application's business, validation, and data access logic Make the most of HTML helpers, model binders, action filters, routing, and authentication Efficiently deploy your ASP.NET MVC applications Use the lightweight JQuery JavaScript library to easily find and manipulate HTML elements Create ASP.NET MVC applications using unit test and mock object framework Steven Sanderson has seen the ASP.NET MVC framework mature from the start, so his experience, combined with comprehensive coverage of all its features, including those in the official MVC development toolkit, offers the clearest understanding of how this exciting framework could improve your coding efficiency—and you'll gain invaluable awareness of security, deployment, and interoperability challenges. The ASP.NET MVC Framework is the evolution of Microsoft's ASP.NET web platform. It introduced a radical high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET 3.5. An integral benefit of this book is that the core Model-View-Controller architectural concepts are not simply explained or discussed in isolation, but demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with the latest C# 3.0 language features and unit-testing best practices. By gaining this invaluable, practical experience, you can discover MVCs strengths and weaknesses for yourself—and put your best learned theory into practice. Visual Studio 2017 updates for this book are now available. Follow the Download Source Code link for this book on the Apress website. Now in its 6th edition, the best selling book on MVC is now updated for ASP.NET Core MVC. It contains detailed explanations of the new Core MVC functionality which enables developers to produce leaner, cloud optimized and mobile-ready applications for the .NET platform. This book puts ASP.NET Core MVC into context and dives deep into the tools and techniques required to build modern, cloud optimized extensible web applications. All the new MVC features are described in detail and the author explains how best to apply them to both new and existing projects. The ASP.NET Core MVC Framework is the latest evolution of Microsoft's ASP.NET web platform, built on a completely new foundation. It represents a fundamental change to how Microsoft constructs and deploys web frameworks and is free of the legacy of earlier technologies such as Web Forms. ASP.NET Core MVC provides a "host agnostic" framework and a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility. Best-selling author Adam Freeman has thoroughly revised this market-leading book and explains how to get the most from ASP.NET Core MVC. He starts with the nuts-and-bolts and shows you everything through to advanced features, going in-depth to give you the knowledge you need. This book follows the same format and style as the popular previous editions but brings everything up to date for the new ASP.NET Core MVC release. It presents a fully worked case study of a functioning ASP.NET MVC application that readers can use as a template for their own projects. What You Will Learn: Gain a solid architectural understanding of ASP.NET Core MVC Explore the entire ASP.NET MVC Framework as a cohesive whole See how MVC and test-driven development work in action Learn what's new in ASP.NET Core MVC and how best to apply these new features to your own work See how to create RESTful web services and Single Page Applications Build on your existing knowledge of previous MVC releases to get up and running with the new programming model quickly and

effectively Who This Book Is For: This book is for web developers with a basic knowledge of ASP.NET and C# who want to incorporate the latest improvements and functionality in the new ASP.NET Core MVC Framework. Create fast, scalable, and high-performance applications with C# and ASP.NET Core About This Book Get first-principle coverage of the latest ASP.NET Core MVC Find out how to bring together the capabilities and features of both Angular 2 and ASP.NET Core Discover common areas you might encounter performance problems with and areas you don't need to worry about Who This Book Is For This book is for developers who want to learn to build web applications using ASP.NET Core, those who want to make a career building web applications using Microsoft technology, and those who are working on other web frameworks and want to learn ASP.NET Core. What You Will Learn Get to know the concepts of ASP.NET MVC Create a Controller with action methods Build a view using several features of the Razor View engine Construct a Model for ASP.NET Core MVC application Find out how the features of ASP.NET Core and Angular 2 perfectly complement each other Handle requests and actions using server-side and client-side Routing Create a Data Model using Entity Framework Core Learn how to use Angular 2 components and master directives Improve performance at the network level and I/O level, and how to optimize the application as a whole Monitor performance as part of Continuous Integration and regression testing In Detail ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications that can be deployed on non-Windows platforms such as Linux. Starting with an overview of the MVC pattern, you will quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will learn to execute with this fast-paced guide. You will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Moving forward, this guide will teach you to combine the impressive capabilities of ASP.NET Core and Angular 2. Not only will you learn how Angular 2 can complement your .NET skills and toolkit, you'll also learn everything you need to build a complete, dynamic single-page application. Find out how to get your data model in place and manage an API, before styling and designing your frontend for an exceptional user experience. You will find out how to optimize your application for SEO, identify and secure vulnerabilities, and how to successfully deploy and maintain your application. From here, you will delve into the latest frameworks and software design patterns to improve your application performance. The course offers premium, highly practical content on the recently released ASP.NET Core, and includes material from the following Packt books: Learning ASP.NET Core MVC Programming, ASP.NET Core and Angular 2, and ASP.NET Core 1.0 High Performance. Style and approach This learning path takes a first-principles approach to help you understand and implement ASP.NET MVC solutions. This is a step-by-step tutorial with plenty of example code for easier and quicker pick-up. If you are new to ExtJS or Sencha Touch, this book will help you model your application using good architectural practices so that your application is enterprise-class from day one. If you have already been building ExtJS or Sencha Touch based applications, this book will show you how to apply the client-side MVC architecture and benefit from it. It will show you how you can leverage Sencha's MVC Architecture and the Sencha Tools to manage your projects in a better way. Learn to Create professional Laravel 6 MVC Application in 10 Minutes What you will learn Understand the fundamental principle of MVC in Laravel 6 Learn the New Laravel 6 new features Understand the use of MVC Understand how MVC communicate with database Full-stack app design principles and best practices End-to-end guide

on full-stack development with MVC, Database, Dependency, and Laravel 6 Developing modern user interfaces with a reusable component-based architecture Use Job Middleware to improve User applications performance and data Develop your project using the samples project in this book Laravel framework is a PHP framework used for developing fast and secure websites. This book gives you practical knowledge of building modern full-stack web apps from scratch using MVC with a Laravel 6. In this book, you will build an application dealing with Cars website named "CarShow". This project will show you the core features of MVC pattern, Laravel, and other state-of-the-art web development dependencies. The book begins with a thorough introduction to MVC pattern and its related concepts like data binding, directives, and computed properties, with each concept being explained first, then put into practice in the case-study project. With the basics covered, you will then use Laravel to set up a web service using Xampp (PhpMyAdmin) as your database and integrate the front end into a full-stack app using HTML, CSS, and Javascript. Finally, you will learn how to use database, middle Job and Frontend, completing the full-stack MVC architecture Who This Book Is For This book targets developers who are new to MVC pattern in Laravel, and also novice or intermediate developers seeking a practical, best-practice approach to development with these technologies. They must have some knowledge of HTML, CSS, and Javascript. Author Steven Sanderson has seen the ASP.NET MVC Framework mature from the start, so his experience, combined with comprehensive coverage of all the new features, including those in the official MVC development toolkit, offers the clearest understanding of how this exciting new framework can improve your coding efficiency. With this book, you'll gain invaluable up-to-date knowledge of security, deployment, and interoperability challenges. The ASP.NET MVC 2 Framework introduces a radical high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET 3.5. In this book, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice. Build robust, scalable ASP.NET applications quickly and easily. Create various design patterns to master the art of solving problems using Java Key Features This book demonstrates the shift from OOP to functional programming and covers reactive and functional patterns in a clear and step-by-step manner All the design patterns come with a practical use case as part of the explanation, which will improve your productivity Tackle all kinds of performance-related issues and streamline your development Book Description Having a knowledge of design patterns enables you, as a developer, to improve your code base, promote code reuse, and make the architecture more robust. As languages evolve, new features take time to fully understand before they are adopted en masse. The mission of this book is to ease the adoption of the latest trends and provide good practices for programmers. We focus on showing you the practical aspects of smarter coding in Java. We'll start off by going over object-oriented (OOP) and functional programming (FP) paradigms, moving on to describe the most frequently used design patterns in their classical format and explain how Java's functional programming features are changing them. You will learn to enhance implementations by mixing OOP and FP, and finally get to know about the reactive programming model, where FP and OOP are used in conjunction with a view to writing better code. Gradually, the book will show you the latest trends in architecture, moving from MVC to microservices and serverless architecture. We will finish off by highlighting the new Java features and best practices. By the end of the book, you will be able to efficiently address common problems faced while developing applications and be comfortable

working on scalable and maintainable projects of any size. What you will learn Understand the OOP and FP paradigms Explore the traditional Java design patterns Get to know the new functional features of Java See how design patterns are changed and affected by the new features Discover what reactive programming is and why is it the natural augmentation of FP Work with reactive design patterns and find the best ways to solve common problems using them See the latest trends in architecture and the shift from MVC to serverless applications Use best practices when working with the new features Who this book is for This book is for those who are familiar with Java development and want to be in the driver's seat when it comes to modern development techniques. Basic OOP Java programming experience and elementary familiarity with Java is expected. The ASP.NET MVC 3 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET 4. In this third edition, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with the latest C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice. The book's authors Steve Sanderson and Adam Freeman have both watched the growth of ASP.NET MVC since its first release. Steve is a well-known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools team. Adam started designing and building web applications 15 years ago and has been responsible for some of the world's largest and most ambitious projects. You can be sure you are in safe hands. Examine the building blocks that make any good MVC framework using PHP 8. This book exposes all the considerations that many developers take for granted when using a popular framework, and teaches you how to make this MVC framework your own. You'll quickly get started writing your first bit of framework code, then, you build a variety of examples using aspects of an MVC framework, including a router, a template engine, a database library, a persistence engine (ORM), and a testing framework. In the next section, you'll implement sessions, caches, file systems, queues, logging, and mail. You'll wrap up by building a larger scale sample web application: a sales website for a company that sells rockets. Along the way, this book lays bare all the secret parts of MVC to take with you to apply to your own PHP-based MVC projects. What You Will Learn Build PHP-based web applications using the model view controller (MVC) architecture Write your first bit of framework code Create various aspects of applications, engines, and other frameworks Wrap up with a sample case study application Who This Book Is For Experienced PHP and web developers. Some prior experience with PHP and web development at least recommended. Master Java EE design pattern implementation to improve your design skills and your application's architecture Professional Java EE Design Patterns is the perfect companion for anyone who wants to work more effectively with JavaEE, and the only resource that covers both the theory and application of design patterns in solving real-world problems. The authors guide readers through both the fundamental and advanced features of Java EE 7, presenting patterns throughout, and demonstrating how they are used in day-to-day problem solving. As the most popular programming language in community-driven enterprise software, Java EE provides an API and runtime environment that is a superset of Java SE. Written for the junior and experienced Java EE developer seeking to improve design quality and effectiveness, the book covers areas including: Implementation and problem-solving with design patterns Connection between existing Java SE design patterns and new Java EE concepts Harnessing the power of Java EE in design patterns Individually-based focus that fully explores each pattern Colorful war-stories showing how patterns were used in the field to solve

real-life problems Unlike most Java EE books that simply offer descriptions or recipes, this book drives home the implementation of the pattern to real problems to ensure that the reader learns how the patterns should be used and to be aware of their pitfalls. For the programmer looking for a comprehensive guide that is actually useful in the everyday workflow, *Professional Java EE Design Patterns* is the definitive resource on the market. This classroom-tested textbook presents an active-learning approach to the foundational concepts of software design. These concepts are then applied to a case study, and reinforced through practice exercises, with the option to follow either a structured design or object-oriented design paradigm. The text applies an incremental and iterative software development approach, emphasizing the use of design characteristics and modeling techniques as a way to represent higher levels of design abstraction, and promoting the model-view-controller (MVC) architecture. Topics and features: provides a case study to illustrate the various concepts discussed throughout the book, offering an in-depth look at the pros and cons of different software designs; includes discussion questions and hands-on exercises that extend the case study and apply the concepts to other problem domains; presents a review of program design fundamentals to reinforce understanding of the basic concepts; focuses on a bottom-up approach to describing software design concepts; introduces the characteristics of a good software design, emphasizing the model-view-controller as an underlying architectural principle; describes software design from both object-oriented and structured perspectives; examines additional topics on human-computer interaction design, quality assurance, secure design, design patterns, and persistent data storage design; discusses design concepts that may be applied to many types of software development projects; suggests a template for a software design document, and offers ideas for further learning. Students of computer science and software engineering will find this textbook to be indispensable for advanced undergraduate courses on programming and software design. Prior background knowledge and experience of programming is required, but familiarity in software design is not assumed. Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET

Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption.

Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC With Learning JavaScript Design Patterns, you'll learn how to write beautiful, structured, and maintainable JavaScript by applying classical and modern design patterns to the language. If you want to keep your code efficient, more manageable, and up-to-date with the latest best practices, this book is for you. Explore many popular design patterns, including Modules, Observers, Facades, and Mediators. Learn how modern architectural patterns—such as MVC, MVP, and MVVM—are useful from the perspective of a modern web application developer. This book also walks experienced JavaScript developers through modern module formats, how to namespace code effectively, and other essential topics. Learn the structure of design patterns and how they are written Understand different pattern categories, including creational, structural, and behavioral Walk through more than 20 classical and modern design patterns in JavaScript Use several options for writing modular code—including the Module pattern, Asynchronous Module Definition (AMD), and CommonJS Discover design patterns implemented in the jQuery library Learn popular design patterns for writing maintainable jQuery plug-ins "This book should be in every JavaScript developer's hands. It's the go-to book on JavaScript patterns that will be read and referenced many times in the future."—Andrée Hansson, Lead Front-End Developer, presis! Annotation

ASP.NET MVC, one of the latest web development platforms from Microsoft, brings the power of MVC programming to ASP.NET development. It simplifies the task of application development and maintenance for developers. However, ASP.NET MVC is filled with so many features that developers end up looking for solutions to the many problems that are encountered in their routine development tasks. ASP.NET MVC 2 Cookbook will provide solutions for the very specific problems that are encountered while developing applications with the ASP.NET MVC platform. It consists of many recipes containing step-by-step instructions that guide developers to effectively use the wide array of tools and features of ASP.NET MVC platform for web development ASP.NET MVC Cookbook is a collection of recipes that will help you to perform your routine development tasks with ease using the ASP.NET MVC platform. In this book you will be walked through the solution to several specific web application development problems. Each recipe will walk you through the creation of a web application, setting up any Visual Studio project requirements, adding in any external tools, and finally the programming steps needed to solve the problem. The focus of the book is to describe the solution from start to finish. The book starts off with recipes that demonstrate how to work effectively with views and controllers _ two of the most important ingredients of the ASP.NET MVC framework. It then gradually moves on to cover many advanced routing techniques. Considering the importance of having a consistent structure to the site, the book contains recipes to show how to build a consistent UI and control its look with master pages. It also contains a chapter that is packed with many recipes that demonstrate how to gain control of data within a view. As the book progresses through some exciting recipes on performing complex tasks with forms, you will discover how easy it is to work with forms to jazz up the look of your web site. Building large applications with ease is one of the prime features of the MVC model. Therefore, this book also focuses on tools and features that make building large applications easier to manage. As data plays an

important role in the MVC architecture, there are ample recipes dedicated to cover data validation, access, and storage techniques. Finally, the book demonstrates how to enhance the user experience of your visitors by controlling the data at the application, session, caching, and cookie level. By the end of this book, you will have explored a wide array of tools and features available with the ASP.NET MVC platform. A fast-paced cookbook with recipes covering all that you wanted to know about developing with ASP.NET MVC. Take Python beyond scripting to build robust, reusable, and efficient applications. About This Book Get to grips with Python techniques that address commonly encountered problems in general application development. Develop, package, and deploy efficient applications in a fun way. All-practical coverage of the major areas of application development, including best practices, exception handling, testing, refactoring, design patterns, performance, and GUI application development. Who This Book Is For Do you know the basics of Python and object oriented programming? Do you want to go an extra mile and learn techniques to make your Python application robust, extensible, and efficient? Then this book is for you. What You Will Learn Build a robust application by handling exceptions. Modularize, package, and release the source distribution. Document the code and implement coding standards. Create automated tests to catch bugs in the early development stage. Identify and re-factor badly written code to improve application life. Detect recurring problems in the code and apply design patterns. Improve code efficiency by identifying performance bottlenecks and fixing them. Develop simple GUI applications using Python. In Detail Python is one of the most widely used dynamic programming languages, supported by a rich set of libraries and frameworks that enable rapid development. But fast paced development often comes with its own baggage that could bring down the quality, performance, and extensibility of an application. This book will show you ways to handle such problems and write better Python applications. From the basics of simple command-line applications, develop your skills all the way to designing efficient and advanced Python apps. Guided by a light-hearted fantasy learning theme, overcome the real-world problems of complex Python development with practical solutions. Beginning with a focus on robustness, packaging, and releasing application code, you'll move on to focus on improving application lifetime by making code extensible, reusable, and readable. Get to grips with Python refactoring, design patterns and best practices. Techniques to identify the bottlenecks and improve performance are covered in a series of chapters devoted to performance, before closing with a look at developing Python GUIs. Style and approach The book uses a fantasy game theme as a medium to explain various topics. Specific aspects of application development are explained in different chapters. In each chapter the reader is presented with an interesting problem which is then tackled using hands-on examples with easy-to-follow instructions. Bring dynamic server-side web content and responsive web design together to build websites that work and display well on any resolution, desktop or mobile. With this practical book, you'll learn how by combining the ASP.NET MVC server-side language, the Bootstrap front-end framework, and Knockout.js—the JavaScript implementation of the Model-View-ViewModel pattern. Author Jamie Munro introduces these and other related technologies by having you work with sophisticated web forms. At the end of the book, experienced and aspiring web developers alike will learn how to build a complete shopping cart that demonstrates how these technologies interact with each other in a sleek, dynamic, and responsive web application. Build well-organized, easy-to-maintain web applications by letting ASP.NET MVC 5, Bootstrap, and Knockout.js do the heavy lifting. Use ASP.NET MVC 5 to build server-side web applications, interact with a database, and dynamically render HTML. Create responsive views with Bootstrap that render on a variety of modern devices; you may never code with CSS again. Add Knockout.js to enhance responsive web design with snappy client-side interactions driven by your server-side web application. The

ASP.NET MVC 5 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET. ASP.NET MVC 5 contains a number of advances over previous versions, including the ability to define routes using C# attributes and the ability to override filters. The user experience of building MVC applications has also been substantially improved. The new, more tightly integrated, Visual Studio 2013 IDE has been created specifically with MVC application development in mind and provides a full suite of tools to improve development times and assist in reporting, debugging and deploying your code. The popular Bootstrap JavaScript library has also now been included natively within MVC 5 providing you, the developer, with a wider range of multi-platform CSS and HTML5 options than ever before without the penalty of having to load-in third party libraries. Provides information on using ASP.NET MVC 4 to build server-side Web applications. Model View Controller (MVC) is becoming the definitive architecture of website development frameworks due to the stability, extensibility and predictability it lends to development. It is not just the primary separation of database, business logic and interface components, but includes a wide range of considerations for building high-performing, scalable and secure applications. Deciding which MVC framework best suits the project you are about to begin is one of the biggest challenges you'll face as a developer. If you are part of a team, this decision has probably already been made for you; but in any event, you'll need to know how (and why) the framework authors made it work the way it does. Pro PHP MVC looks at the building blocks that make any good MVC framework, and how they apply to PHP. It exposes all considerations that many developers take for granted when using a popular framework, and teaches you how to make the framework your own. Over the course of reading this book, you will learn the theoretical implications of the choices you would make when writing your own MVC framework, and how to put the pieces together in a cohesive package. We take a look at the highly modular Zend Framework—how to use its collection of loosely coupled classes to build a unified system. We also look at CakePHP, learning from its automated build system (Bakery) and highly intuitive approach to rapid development. This book will lay bare all the secret parts of MVC for you. Prepare for Microsoft Exam 70-486—and help demonstrate your real-world mastery of developing ASP.NET MVC-based solutions. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Design the application architecture Design the user experience Develop the user experience Troubleshoot and debug web applications Design and implement security This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you. Fully updated for ASP.NET MVC 3. Delve into the features, principles, and pillars of the ASP.NET MVC framework—definitely guided by web development luminary Dino Esposito. ASP.NET MVC forces developers to think in terms of distinct components—Model, View, Controller—that make it easier to manage application complexity, while allowing strict control over the markup. Plunge into the framework's internal mechanics and gain perspectives on how to use this programming model versus Web Forms, and begin building your own MVC-based applications quickly. Search is everywhere, yet it is one of the most misunderstood functionalities of the IT industry. In Apache Solr, author Xavier Morera guides you through the basics of this highly popular enterprise search tool. You'll learn how to set up an index and how to make it searchable, then query it with a simple enterprise search. Explanations for precision and recall are also included to help you ensure that relevant, accurate results have been returned. Custom UIs using SolrItas and SolrNet are also covered. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking

a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business. Rails: Novice to Ninja is an easy-to-follow, practical and fun guide to Ruby on Rails for beginners. It covers all you need to get up and running, from installing Ruby, Rails and SQLite to building and deploying a fully-featured web application. The third edition of this book has been fully updated to cover Rails 5, the latest version of the framework. Unlike other Rails books, this book doesn't assume that you are an experienced web developer, or that you've used Ruby before. An entire chapter is devoted to learning Ruby in a fun way, using the interactive Ruby console, so you can follow along at home. You'll be an accomplished Ruby programmer in no time! You'll then start using Rails to build a practical, working project: a Reddit-like social news application. As you'll build the app, you'll gain valuable experience of using Rails features such as user authentication, session cookies, and automated testing. The book finishes with chapters on debugging, benchmarking and deployment to a live web server.

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