

Expert Spring MVC and Web Flow



Seth Ladd
with Darren Davison,
Steven Devijver and Colin Yates

Expert Spring MVC and Web Flow

Copyright © 2006 by Seth Ladd, Darren Davison, Steven Devijver, and Colin Yates

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

ISBN-13 (pbk): 978-1-59059-584-8

ISBN-10 (pbk): 1-59059-584-X

Printed and bound in the United States of America 9 8 7 6 5 4 3 2 1

Trademarked names may appear in this book. Rather than use a trademark symbol with every occurrence of a trademarked name, we use the names only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

Lead Editor: Steve Anglin

Technical Reviewers: Rob Harrop, Keith Donald

Editorial Board: Steve Anglin, Dan Appleman, Ewan Buckingham, Gary Cornell, Jason Gilmore,
Jonathan Hassell, James Huddleston, Chris Mills, Matthew Moodie, Dominic Shakeshaft,
Jim Sumser, Matt Wade

Project Manager: Sofia Marchant

Copy Edit Manager: Nicole LeClerc

Copy Editor: Stephanie Provines

Assistant Production Director: Kari Brooks-Copony

Production Editor: Katie Stence

Compositor and Artist: Van Winkle Design Group

Proofreader: Nancy Sixsmith

Indexer: Broccoli Information Management

Cover Designer: Kurt Krames

Manufacturing Director: Tom Debolski

Distributed to the book trade worldwide by Springer-Verlag New York, Inc., 233 Spring Street, 6th Floor, New York, NY 10013. Phone 1-800-SPRINGER, fax 201-348-4505, e-mail orders-ny@springer-sbm.com, or visit <http://www.springeronline.com>.

For information on translations, please contact Apress directly at 2560 Ninth Street, Suite 219, Berkeley, CA 94710. Phone 510-549-5930, fax 510-549-5939, e-mail info@apress.com, or visit <http://www.apress.com>.

The information in this book is distributed on an “as is” basis, without warranty. Although every precaution has been taken in the preparation of this work, neither the author(s) nor Apress shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this work.

The source code for this book is available to readers at <http://www.apress.com> in the Source Code section.

Contents at a Glance

About the Authors	xv
About the Technical Reviewers	xvii
Acknowledgments	xviii
■ CHAPTER 1 Introduction	1
■ CHAPTER 2 Spring Fundamentals	7
■ CHAPTER 3 Spring MVC Application Architecture	21
■ CHAPTER 4 Jump into Spring MVC	41
■ CHAPTER 5 The Processing Pipeline	77
■ CHAPTER 6 The Controller Menagerie	115
■ CHAPTER 7 The View Layer	201
■ CHAPTER 8 Supported View Types	223
■ CHAPTER 9 Validation	265
■ CHAPTER 10 Testing Spring MVC Applications	283
■ CHAPTER 11 Introduction to Spring Web Flow	309
■ CHAPTER 12 Advanced Spring Web Flow	335
■ APPENDIX A Documenting Your MVC Application	371
■ APPENDIX B Ajax and DWR	377
■ INDEX	389