Expert One-on-One J2EE Development without EJB

By Rod Johnson

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What is this book about?

Expert One-on-One J2EE Development without EJB shows Java developers and architects how to build robust J2EE applications without having to use Enterprise JavaBeans (EJB). This practical, code-intensive guide provides best practices for using simpler and more effective methods and tools, including JavaServer pages, servlets, and lightweight frameworks.

What does this book cover?

The book begins by examining the limits of EJB technology — what it does well and not so well. Then the authors guide you through alternatives to EJB that you can use to create higher quality applications faster and at lower cost — both agile methods as well as new classes of tools that have evolved over the past few years.

They then dive into the details, showing solutions based on the lightweight framework they pioneered on SourceForge — one of the most innovative open source communities. They demonstrate how to leverage practical techniques and tools, including the popular open source Spring Framework and Hibernate. This book also guides you through productive solutions to core problems, such as transaction management, persistence, remoting, and Web tier design. You will examine how these alternatives affect testing, performance, and scalability, and discover how lightweight architectures can slash time and effort on many projects.

What will you learn from this book?

Here are some details on what you'll find in this book:

- How to find the simplest and most maintainable architecture for your application
- Effective transaction management without EJB
- How to solve common problems in enterprise software development using AOP and Inversion of Control
- Web tier design and the place of the Web tier in a well-designed J2EE application
- Effective data access techniques for J2EE applications with JDBC, Hibernate, and JDO
- How to leverage open source products to improve productivity and reduce

custom coding
- How to design for optimal performance and scalability

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Editorial Review

Review
"…practical and deep…you have to read if you have any interest in J2EE, with or without EJB…"
(*VSJ—Visual Systems Journal*, December 2004/January 2005)

"…a valuable learning experience all round" (*Application Development Advisor*, 1st September, 2004)

From the Back Cover
Are your J2EE projects taking too long to develop? Are they hard to debug? Do they result in disappointing performance? You may still be using traditional approaches to J2EE that are overly complex and not truly object-oriented. Many of these problems relate to EJB: a complex technology that has not lived up to its hype.

In this hands-on guide, I'll show you alternatives to EJB that can be used to create higher quality applications faster and at lower cost. I'll demonstrate how to leverage practical techniques and tools, including the popular open source Spring Framework and Hibernate. I'll guide you through productive solutions to core problems such as transaction management, persistence, remoting, and web tier design. We will examine how these alternatives affect testing, performance, and scalability, and discover how lightweight architectures can slash time and effort on many projects.

I've been working with servlets, EJB, JSP™, and other J2EE technologies since their release. (As co-lead of Spring, Juergen also brings a wealth of expertise.) I'm excited to share my experience with you, one-on-one.

What you will learn from this book

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- How to design for optimal performance and scalability

Wrox Expert One-On-One books present the wisdom accumulated by an experienced author who is recognized as an expert by the programming community. These experts challenge professional developers to examine their current practices in pursuit of better results.

About the Author
Rod Johnson is an enterprise Java architect with extensive experience in the insurance, dot-com, and financial industries. He was the J2EE architect of one of Europe's largest web portals, and he has worked as a consultant on a wide range of projects.
Rod has an arts degree majoring in music and computer science from the University of Sydney. He obtained a Ph.D. in musicology before returning to software development. With a background in C and C++, he has been working with both Java and J2EE since their release. He is actively involved in the Java Community

Process as a member of the JSR-154 (Servlet 2.4) and JDO 2.0 Expert Groups. He is the author of the best-selling *Expert One-on-One J2EE Design and Development* (Wrox, 2002) and has contributed to several other books on J2EE since 2000.

Rod is prominent in the open source community as co-founder of the Spring Framework open source project (www.springframework.org), which grew out of code published with *Expert One-on-One J2EE Design and Development*. He speaks frequently at leading industry conferences. He is currently based in London.

Rod can be contacted at expert@interface21.com.

Juergen Hoeller is a Senior Systems architect and Consultant at werk3AT, a company that delivers complex web solutions and provides J2EE-based consulting in Austria.

Juergen has a masters degree in Computer Science from the University of Linz, specializing in Java, OO modeling, and software engineering. He has worked on a wide range of projects with numerous J2EE application servers, ranging from enterprise application integration to web-based data visualization.

Juergen has particular experience in developing J2EE web applications, O/R mapping, and transaction management. Juergen is co-lead of the Spring Framework and active in many community forums, including TheServerSide.

Users Review

From reader reviews:

Jordan Weatherspoon:

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Mario Berry:

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