



Enterprise Application Development with Ext JS and Spring

By Gerald Gierer



Enterprise Application Development with Ext JS and Spring By Gerald Gierer

In Detail

Spring and ExtJS are cutting edge frameworks that allow us to build high performance web applications for modern devices, that are now consuming data at a faster rate than ever before. It is the appropriate time for you to understand how to best leverage these technologies when architecting, designing, and developing large scale web development projects.

This practical guide condenses an approach to web development that was gained from real world projects, and outlines a simple, practical approach to developing high performance, and enterprise grade web applications.

Starting with configuring Java, Netbeans, and MySQL to prepare your development environment, you will then learn how to connect your Netbeans IDE to the MySQL database server. We will then explore the Task Time Tracker (3T) project database structure and populate these tables with test data.

Following on from this, we will examine core JPA concepts after reverse engineering the domain layer with Netbeans. Leveraging the Data Access Object design pattern, you will learn how to build the Java DAO implementation layer assisted by generics in base classes, followed by a Data Transfer Object enabled service layer to encapsulate the business logic of your 3T application.

The final chapters that focus on Java explore how to implement the request handling layer using Spring annotated controllers, and deploy the 3T application to the Glassfish server. We will then configure the ExtJS 4 development environment and introduce key ExtJS 4 concepts, including MVC and practical design conventions.

Covering a variety of important ExtJS 4 strategies and concepts, you will be fully-equipped to implement a variety of different user interfaces using the ExtJS MVC design pattern. Your journey ends by exploring the production build and deployment process using Maven, Sencha Cmd and Glassfish.

Approach

An easy-to-follow tutorial, that breaks down the enterprise application development journey into easy to understand phases documented by clear examples and concise explanations.

Who this book is for

If you are an intermediate developer with a good understanding of Java, JavaScript and web development concepts, this book is ideal for you. Basic ExtJS development experience, including an understanding of the framework APIs is needed by those of you who are interested in this book. Regardless of your experience and background, the practical examples provided in this book are written in a way that thoroughly covers each concept before moving on to the next chapter.

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Editorial Review

About the Author

Gerald Gierer

Gerald Gierer has been involved in enterprise web application projects for more than 15 years and continues to find his work challenging and rewarding. He started his software development career working with C, PowerBuilder, and Unix, until the rise of the Internet and Java caught his attention. In 2000, he made a conscious decision to focus on Internet application development using the Java language.

The frustration of working with the first Enterprise JavaBeans (EJB) implementations was the predominant reason he investigated the alternatives that could make enterprise development more productive. In 2004, he first heard of the Spring framework and quickly realized how comprehensive and well-designed an alternative this was to EJB. Since then he has architected and developed many Spring projects using a range of view technologies including JSP, JSF, Struts, Tiles, Freemarker, DWR, and YUI.

In 2009, he became aware of Ext JS and was immediately struck by the power of this JavaScript framework. Having spent countless hours building complex web pages from scratch, Ext JS was a breath of fresh air for the client realm. He has been working with Ext JS ever since.

He lives in Geelong, Australia, but often spends time in Europe, having lived and worked for five years in Munich. In his spare time, he enjoys keeping fit, brewing beer, being outdoors, and rock climbing—a passion that has kept him sane for more than 25 years.

Users Review

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