Mastering Java EE 8 Application Development

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Key Features

- Gain hands on experience using the technology to build enterprise-level applications and integrate them with other technology stacks of the Java EE
- Speed up your application development by dissecting it into smaller microservices
- Maximize enterprise beans for multithreading, asynchronous processes, transactions, and more

Book Description

Java EE is one of the most popular tools for enterprise application design and development. This book addresses the challenges related to Java EE application development.

It begins by introducing you to the latest features in Java EE 8 and will also throw light on the application that will be built throughout the book. From there, we will go in depth into each of the three tiers of the application, exploring Web Services, Servlets, and the latest MVC architecture, in the first tier. In the middle tier, we will cover stateless EJBs and concurrency, and will go in depth into Java's messaging service.

In the final tier, we will talk about integrating JDBC into an application, as well as using persistence offered by Java and other alternative frameworks. You will also see how to work with the Reactive architecture and Microservices, while taking advantage of the latest security features and authenticating your application. You will gain insights into profiling your app's performance, and will see how to overcome issues related to distributed apps. Finally, you will get an overview of some deployment topologies.

What you will learn

- Understand the core features and concepts at the heart of the Jave EE technology, along with the latest additions into the stack
- See the best practices and design patterns that can be used along with a specific API
- Get equipped with the features offered by the JAVA EE platform to implement a web tier of the web-based application and see how to use it effectively
- Implement web-based services and use those features effectively to provide services to client applications
- Understand the role of multithreading in enterprise applications and integrate them for transaction handling
- Get equipped with the features offered by the JMS API
- Get to know the Java persistence API and Hibernate framework and use them in highly transactional environments

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From reader reviews:

Johnnie Santiago:

Spent a free time to be fun activity to perform! A lot of people spent their leisure time with their family, or their particular friends. Usually they doing activity like watching television, going to beach, or picnic within the park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your personal free time/ holiday? Might be reading a book is usually option to fill your cost-free time/ holiday. The first thing you will ask may be what kinds of guide that you should read. If you want to try look for book, may be the guide untitled Mastering Java EE 8 Application Development can be good book to read. May be it can be best activity to you.

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