



# Java Hibernate Cookbook

By *Yogesh Prajapati, Vishal Ranapariya*

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**Java Hibernate Cookbook** By *Yogesh Prajapati, Vishal Ranapariya*

**Over 50 recipes to help you build dynamic and powerful real-time Java Hibernate applications**

## About This Book

- Learn to associate JDBC and Hibernate with object persistence
- Manage association mappings, implement basic annotations and learn caching
- Get to grips with Hibernate fundamentals from installation to developing a business application with this step-by-step guide

## Who This Book Is For

This is book for Java developers who now want to learn Hibernate. Good knowledge and understanding of Java is preferred to allow efficient programming of the core elements and applications; it would be helpful if readers are familiar with the basics of SQL.

## What You Will Learn

- Set up and install Hibernate on your system and explore different ways in which Hibernate can be configured
- Learn the basic concepts and fundamentals of Java Hibernate
- Define mappings without a use of XML file using Annotations
- Persist collection elements such as list, map, set and array
- Explore the various mapping options and learn to work with Hibernate associations
- Understand advanced Hibernate concepts such as caching and inheritance
- Develop an engaging and robust real-world hibernate application based on a common business scenario
- Integrate Hibernate with other frameworks to develop robust enterprise applications

## In Detail

Hibernate is a database independent technology, so the same code will work for all databases. It helps a Java developer write a query by mapping Java bean to database tables and help create tuned queries that boost performance. Even with limited SQL knowledge one can easily perform database operations. This makes the development faster and more accurate than JDBC. Hibernate supports useful features like connection pooling, caching, and inheritance etc.

This book will provide a useful hands-on guide to Hibernate to accomplish the development of a real-time Hibernate application.

We will start with the basics of Hibernate, which include setting up Hibernate – the pre-requisites and multiple ways of configuring Hibernate using Java. We will then dive deep into the fundamentals of Hibernate such as SessionFactory, session, criteria, working with objects and criteria. This will help a developer have a better understanding of how Hibernate works and what needs to be done to run a Hibernate application. Moving on, we will learn how to work with annotations, associations and collections. In the final chapters, we will see explore querying, advanced Hibernate concepts and integration with other frameworks.

## Style and approach

This book is a practical guide filled with carefully organized step-by-step instructions. All recipes are arranged in an easy-to understand and clear manner allowing you to apply the solutions to other situations.

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## **Editorial Review**

### **About the Author**

#### **Yogesh Prajapati**

Yogesh Prajapati is a Java programmer. He has more than 4 years of experience in implementing enterprise web applications using J2EE technologies. Yogesh has experience in technologies and frameworks such as Spring, Hibernate, RESTful Web Services, and MongoDB. He pursued a BCA from Ganpat University, Kherva, Gujarat, India. In 2011, Yogesh obtained a master's degree in computer application from Gujarat University, Gujarat, India. Yogesh's expertise is not limited to a particular domain; he has worked with clients in the transportation, finance, and health care domains. Apart from this, he has had experience in GIS development and has also worked in the hospitality industry. Yogesh has a blog, <http://kode12.com>, where he shares his knowledge of Java and other technologies. He is interested in contributing to open source technologies and is enthusiastic about building new products and services. You can follow Yogesh on his blog and on LinkedIn at <http://in.linkedin.com/in/yogeshmprajapati>.

#### **Vishal Ranapariya**

Vishal Ranapariya is a Java developer. He has more than 4 years of experience in implementing enterprise web applications using J2EE technology. He has experience with technologies and frameworks such as Java, J2EE, Spring, Hibernate, RESTful web services, MongoDB, and Core Hadoop. Vishal pursued a BCA from Gujarat University, Gujarat, India. In 2011, he obtained a master's degree in computer application from Gujarat University, Gujarat, India. Vishal has blogs at <http://kode12.com>, where he shares his knowledge of Java-related open source technologies. He is interested in contributing to open source technologies. Vishal is enthusiastic about building new products and services. You can follow Vishal on his blog and on LinkedIn at <https://in.linkedin.com/in/vishalranapariya>.

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