Graham Hamilton • Rick Cattell • Maydene Fisher

JDBC™ Database Access with Java™

A Tutorial and Annotated Reference

The Java Series

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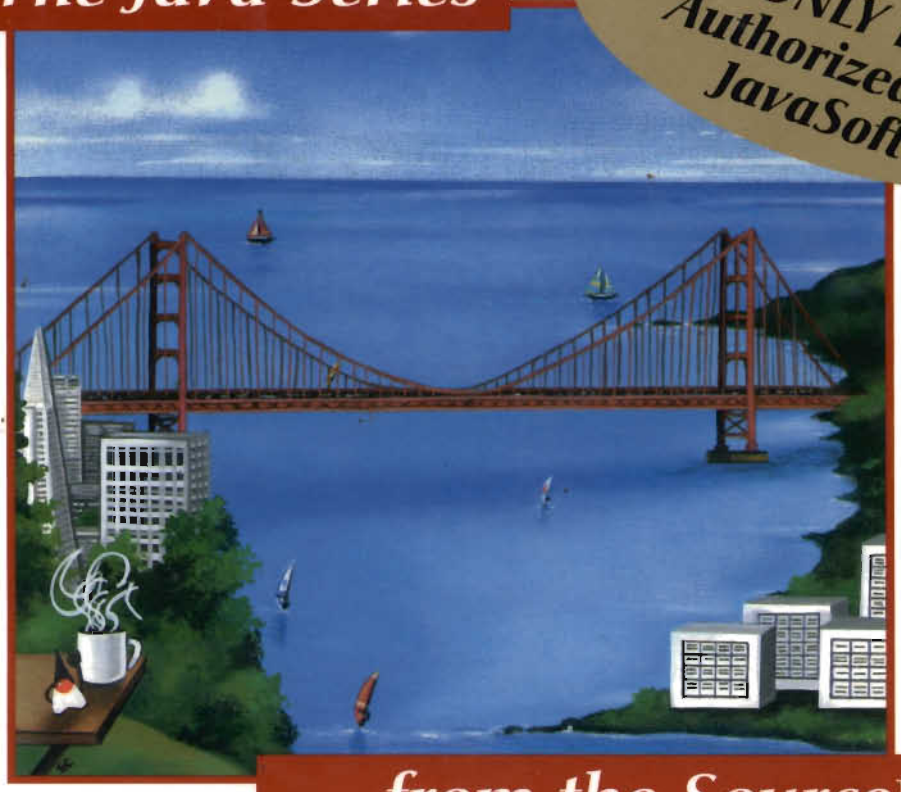

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JAVA

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Part Two

JDBC™ Database Access with Java™

JDBC (Java Database Connectivity), the powerful API that is a standard part of the Java Class Libraries (JDK 1.1), represents one of the most exciting and fertile areas for Java development. Offering SQL compatibility and sophisticated database development capabilities, JDBC allows Java programmers access to MIS and Legacy systems.

From the creators of the JDBC API at JavaSoft, here is the definitive guide to this vital new technology. Appropriate for Java programmers of all skill levels, this book provides explanations of JDBC and Java fundamentals, a step-by-step tutorial to bring you up to speed, and an extensively annotated reference to all JDBC classes and interfaces.

Overviews of Java and the JDBC API explain how JDBC fits into the world of SQL and relational databases. The tutorial walks you through JDBC, demonstrating how to execute common tasks with numerous examples. For those interested in writing applications that access various database systems, the JDBC Metadata API is also introduced.

The alphabetically arranged reference section is comprehensive and detailed, containing class and interface definitions along with a wealth of in-depth information on methods and fields. Also included is important information on mapping Java and SQL types, a look at the rationale behind JDBC's design, and a glimpse into JDBC's future.

Anyone interested in pursuing the many development opportunities made possible by JDBC will find this book an indispensable resource.

Dr. Graham Hamilton is a Distinguished Engineer at JavaSoft where he led the design of the JDBC API, the JavaOS™ standalone Java system, and the JavaBeans™ component architecture. He was previously the technical lead for the Spring distributed object-oriented operating system project at Sun, and he has written a variety of papers and patents on operating systems and distributed systems.

Dr. Rick Cattell, a Distinguished Engineer at JavaSoft, led the design of the JDBC API. He is currently Chief Architect for the Java Enterprise Technologies group. He was previously responsible for SunSoft's NEO CORBA database integration and the Sun Simplify database GUI. Widely recognized for his contributions to the database field, Dr. Cattell was a cofounder of SQL Access, founder and chair of the Object Database Management Group (ODMG), and author of the first monograph on object database systems as well as more than 40 papers and 3 books.

Maydene Fisher has extensive experience as a technical writer specializing in the documentation of object-oriented programming languages. Fisher began her technical writing career on Wall Street, where she documented complex computer models, written in C++, for simulating fixed income derivatives. Before joining the JDBC team at JavaSoft she wrote documentation for ScriptX, an object-oriented multimedia scripting language, at Kaleida Labs and at Apple Computer.

The Java™ Series

The Java™ Series is the official source of complete, expert, and definitive information on Java, from the creators of the Java technology at Sun Microsystems. These books, written by members of the JavaSoft team at Sun, provide the inside information you need to understand Java thoroughly and to work with it effectively to build flexible, robust, portable, and secure Java applications and Internet applets. The series is an indispensable resource for anyone programming in Java.

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Sun microsystems

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