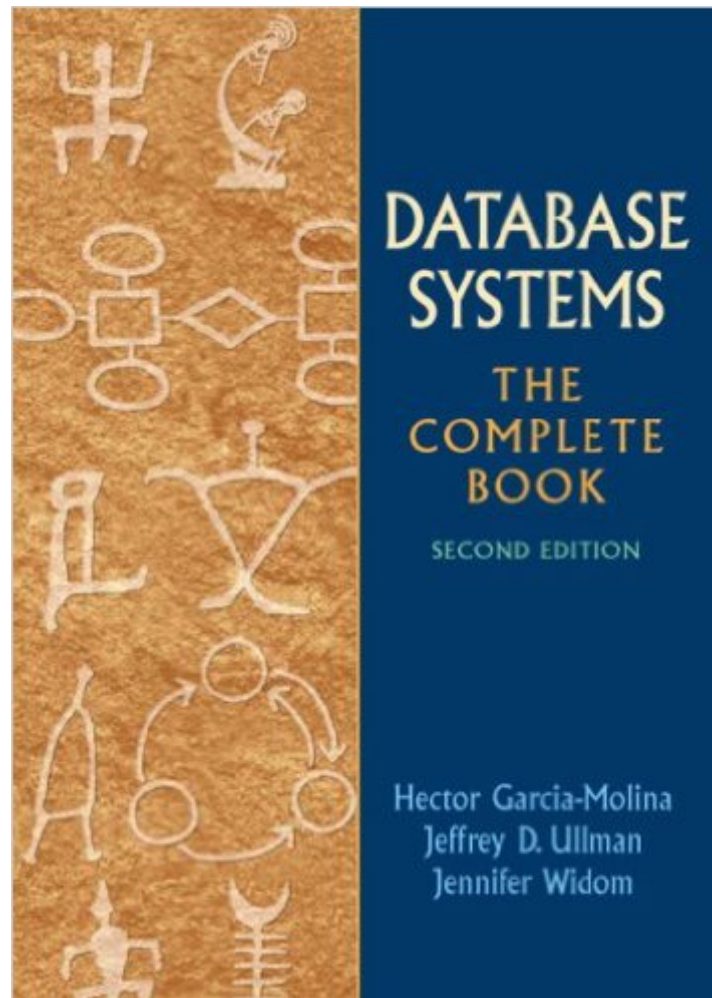




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Database Systems: The Complete Book (2nd Edition)



Synopsis

Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. ã ã The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques.

Book Information

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Customer Reviews

Hector Garcia-Molina is the L. Bosack and S. Lerner Professor of Computer Science and Electrical Engineering at Stanford University. His research interests include digital libraries, information

integration, and database applications on the Internet. He was a recipient of the SIGMOD Innovations Award and a member of PITAC (President's Information-Technology Advisory Council). He currently serves on the Board of Directors of Oracle Corp. Jeffrey D. Ullman is the Stanford W. Ascherman Professor of Computer Science (emeritus) at Stanford University. He is the author or co-author of 16 books, including Elements of ML Programming (Prentice Hall 1998). His research interests include data mining, information integration, and electronic education. He is a member of the National Academy of Engineering, and recipient of a Guggenheim Fellowship, the Karl V. Karlstrom Outstanding Educator Award, the SIGMOD Contributions and Edgar F. Codd Innovations Awards, and the Knuth Prize. Jennifer Widom is Professor of Computer Science and Electrical Engineering at Stanford University. Her research interests span many aspects of nontraditional data management. She is an ACM Fellow and a member of the National Academy of Engineering, she received the ACM SIGMOD Edgar F. Codd Innovations award in 2007 and was a Guggenheim Fellow in 2000, and she has served on a variety of program committees, advisory boards, and editorial boards.

I found the in-depth detail very helpful to answer specific problems. Coverage of topics is detailed and complete - worked well for my needs as a intro to some topics and a refresher for others.

International edition. Page numbers off from original but still workable.

This book has good information, and is fairly well organized. I like the examples in every section of the chapter. However, a lot of the Exercises are not very well presented. For example, one exercise section had about 5 exercises. Exercise 2 references 1. 3 references 1. 4 references 2. 4 references 1. 5 reference 4 AND 2. When I was doing exercise 5 it took me 15 minutes to figure out just what it was asking, and I'm still not sure that I got it right. I've never seen any other book chain reference like that before. In my opinion, referencing should make you look at no more than one other contiguous and non-further-referencing block of information.

Was delivered on time and as described.

Perfect condition

Very nice written for new learners while covers enough aspects to step further. Long because it is

from the merging of another 2 books. Recommended as a handbook for new commers to database area.

This is not a review of this book content. I just would like to warn other potential buyers that Kindle edition is a single license. I got used to having all other books available across my computers, a tablet, a kindle and a iphone (very handy while waiting in car, doctors office etc.). Being spoiled this way this restriction feels like a significant nuisance. I wish there was some indication of this limitation in a product description.

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