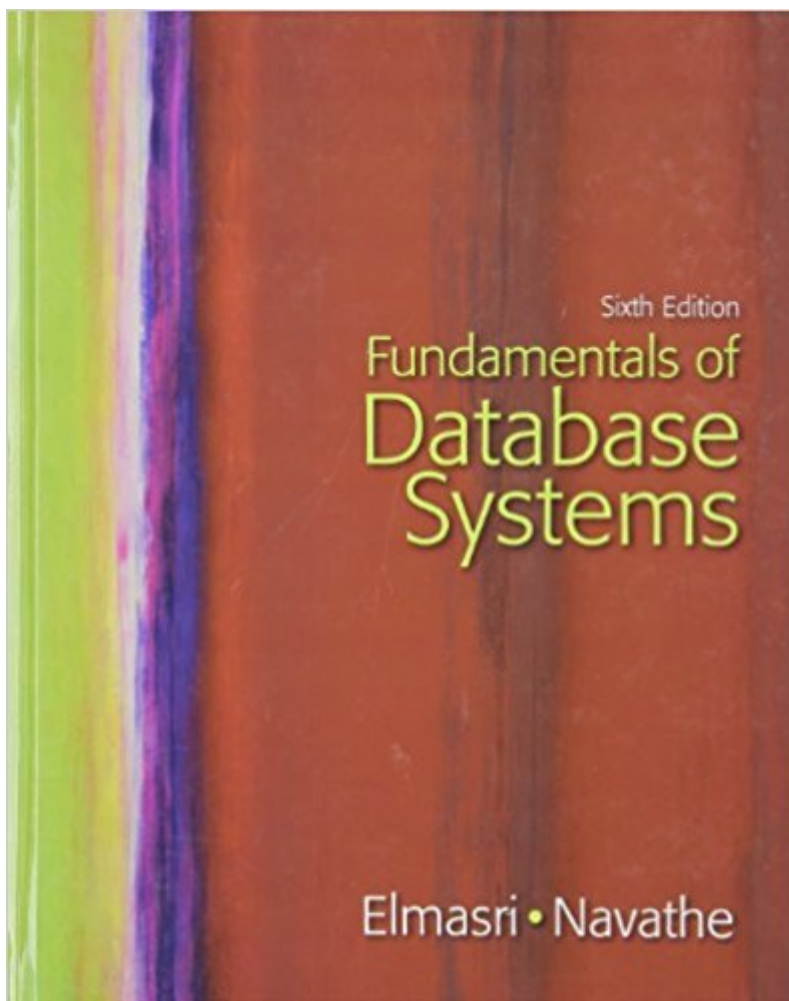The book was found

Fundamentals Of Database Systems (6th Edition)

Synopsis

Clear explanations of theory and design, broad coverage of models and real systems, and an up-to-date introduction to modern database technologies result in a leading introduction to database systems. Intended for computer science majors, Fundamentals of Database Systems, 6/e emphasizes math models, design issues, relational algebra, and relational calculus. Â A lab manual and problems give students opportunities to practice the fundamentals of design and implementation. Real-world examples serve as engaging, practical illustrations of database concepts. The Sixth Edition maintains its coverage of the most popular database topics, including SQL, security, and data mining, and features increased emphasis on XML and semi-structured data.

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Customer Reviews

Clear explanations of theory and design, broad coverage of models and real systems, and an up-to-date introduction to modern database technologies result in a leading introduction to database systems. Intended for computer science majors, "Fundamentals of Database Systems, 6/e" emphasizes math models, design issues, relational algebra, and relational calculus. A lab manual and problems give students opportunities to practice the fundamentals of design and implementation. Real-world examples serve as engaging, practical illustrations of database concepts. The Sixth Edition maintains its coverage of the most popular database topics, including SQL, security, and data mining, and features increased emphasis on XML and semi-structured

data.

Ramez A. Elmasri is a professor in the department of Computer Science and Engineering at the University of Texas at Arlington. He holds M.S. and Ph.D. degrees in Computer Science from Stanford University, and a B.S. degree in Electrical Engineering from Alexandria University. He is known for his work on conceptual database modeling, temporal database design and indexing, database query languages and interfaces, and systems integration. Prior to his current position, Elmasri worked for Honeywell and the University of Houston. Elmasri has over 70 refereed publications in journals and conference proceedings. He has conducted research in many areas of database systems over the past twenty years, and in the area of integration of systems and software over the past nine years. He has advised many MS and PhD students. Elmasri's research has been sponsored by grants from NSF, NASA, ARRI, Texas Instruments, Honeywell, Digital, and the State of Texas. He has been an Associate Editor of the Journal of Parallel and Distributed Databases and a member of the steering committee for the International Conference on Conceptual Modeling (formerly ER Conference). He was Program Chair for the 12th International Conference on Conceptual Modeling (ER'93) and Program Vice Chair for the 1994 IEEE International Conference on Data Engineering. He is the leading author of the textbook Fundamentals of Database Systems, which is used in many universities all over the world and has been translated into several languages. Elmasri has served on the program committees of many international conferences, and has presented tutorials and keynote talks at a number of international conferences. He has received the Robert Q. Lee teaching award of the College of Engineering of UT-Arlington.   Shamkant Navathe is a professor and the head of the database research group at the College of Computing, Georgia Institute of Technology, Atlanta. He is well-known for his work on database modeling, database conversion, database design, distributed database allocation, and database integration. He has worked with IBM and Siemens in their research divisions and has been a consultant to various companies including Digital,CCA, HP and Equifax. He was the General Co-chairman of the 1996 International VLDB (Very Large Data Base) conference in Bombay, India. He was also program co-chair of SIGMOD 1985 and General Co-chair of the IFIP WG 2.6 Data Semantics Workshop in 1995. He has been an associate editor of ACM Computing Surveys, and IEEE Transactions on Knowledge and Data Engineering. He is also on the editorial boards of Information Systems (Pergamon Press) and Distributed and Parallel Databases (Kluwer Academic Publishers). He is an author of the book, Fundamentals of Database Systems, with R. Elmasri (Addison Wesley) which is currently the leading database text-book worldwide. He also co-authored

the book Conceptual Design: An Entity Relationship Approach (Addison Wesley, 1992) with Carlo Batini and Stefano Ceri. His current research interests include human genome data management, intelligent information retrieval, data mining and warehousing, web-based knowledge warehouses and mobile database synchronization. Navathe holds a Ph.D. from the University of Michigan and has over 100 referenced publications.

I needed this for my class, and it was fine, but not great. The level of detail was pretty good and there were some well-developed examples, but as some other reviewers noted, the nature of the components building off one another meant that it might be hard to find the referenced schema in an earlier (or later) section of the book while you were looking at one section. And it didn't necessary give you the page numbers so you could flip back and forth easily. If they just added the page numbers that would definitely bump my rating up.

Relational database theory, for a college level, Computer Science curriculum.I chose this book because it is a required text for an undergraduate database class. It presents relational database design from a theoretical basis. It provides an explanation, in depth, of the mathematical foundations of database theory. It is not a get started quickly, hands on guide to using SQL.This is an important text, and required reading for anyone looking for a deep understanding of relational database theory. It is not a hit the ground running, create a few queries quickly, how-to presentation. It is a serious work, and provides a serious understanding.

This was a highly theoretical text on databases. It doesn't provide enough of a solid understanding of the SQL syntax. If you want practical knowledge about databases, this is definitely not the book for you.I initially tried to read this book for my databases class, and it does a good job of showing you how to envision a database in an academia-approved graphical format, but unfortunately, it doesn't do much for a person practically. Not enough coverage of SQL, too much on the theoretical and on trees and whatnot.And the only reason why I gave it two stars instead of one was because theoretical-part aside, it did an okay job of explaining some of the theoretical concepts.

This textbook was required for my COP 4722, Survey of Database Systems class and I have to say this book provided no help to me in passing the course. The author wrote this text in a manner that makes the subject extremely dull, tedious and boring. Often, I would have to re-read a sentence 3 times just to get the jist of what he's trying to explain. The concepts are poorly explained and the

examples are lousy. To be honest, after a month or so into the course, I gave up on the text completely and relied entirely on my notes, online/internet help and the professor's powerpoint/lectures. In my whole 4 years of attending an university, this was the only class that I earned a C in(which is the lowest grade I've ever gotten). I can't blame the textbook entirely because the professor was not exactly the best at teaching. Lets just say that after the drop date, less than 25% of the students remained.

Was in the condition as noted. Needed this book for a course.

Worse than google things yourself. Diagram is confusing. Content is poor organized. Unless you are required to buy this book for course like me, dont buy it, not worth even for 20$. Used-Good book has bad condition, I have to glue it together.

The book is very informative with detailed information on the history of databases and the theory of their design. However, it is written and structured very poorly. The book reads almost as if the author had a page quota that he struggled to meet, entire pages could be condensed into a few sentences without missing any information. The author uses the first few pages of each chapter to discuss what he is going to discuss in the following pages. If you are interested in the "fundamentals" of databases look elsewhere, but if you do not mind painfully drawn out examples and writing and want to learn the theory behind the "fundamentals" of databases then this book may be for you. If this book is required by your university you have my sympathy.

This is an excellent and thorough analysis of database processes involving transactions, concurrency control, security and covers relational tables, object-relational databases as well as object oriented technology. There is a thorough overview of UML as well as ER design tools. It is a tough read and covers a lot of material and is very theoretical but practical. Relational algebra and calculus are covered thoroughly. This is recommended for an advanced database course as it's coverage of SQL is coarse and cursory. Instead this book is intended more for a behind the scenes analysis of database technology. An excellent database course as a prerequisite for using this book would use Mannino's Database Design, Application, Development and Administration. Mannino's book has an excellent coverage of SQL and its applications.

Fundamentals of Database Systems (6th Edition) Database Design for Mere Mortals: A Hands-On

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