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Fundamental of Database Management System Springer Science & Business Media
This comprehensive book, now in its Fifth Edition, continues to discuss the principles and concept of Database Management System (DBMS). It introduces the students to the different kinds of database management systems and explains in detail the implementation of DBMS. The book provides practical examples and case studies for better understanding of concepts and also incorporates the experiments to be performed in the DBMS lab. A competitive pedagogy includes Summary, MCQs, Conceptual Short Questions (with answers) and Exercise Questions.

Springer Science & Business Media
Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 6th edition and is one of the cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true.

Database Systems For Advanced Applications '95 - Proceedings Of The Fourth International Conference Addison-Wesley
This book constitutes the refereed proceedings of the 25th International Conference on Conceptual Modeling, ER 2006, held in Tucson, AZ, USA in November 2006. The 37 revised full papers presented together with two keynote talks, two panel session papers, six industrial papers, and five demo/posters papers were carefully reviewed and selected from 158 submissions.

Geographic Uncertainty in Environmental Security Pearson Higher Ed
This book focuses on recent developments in representational and processing aspects of complex data-intensive applications. Until recently, information systems have been designed around different business functions, such as accounts payable and inventory control. Object-oriented modeling, in contrast, structures systems around the data--the objects--that make up the various business functions. Because information about a particular function is limited to one place--to the object--the system is shielded from the effects of change. Object-oriented modeling also promotes better understanding of requirements, clear designs, and more easily maintainable systems. This book focuses on recent developments in representational and processing aspects of complex data-intensive applications. The chapters cover "hot" topics such as application behavior and consistency, reverse engineering, interoperability and collaboration between objects, and work-flow modeling. Each chapter contains a review of its subject, followed by object-oriented modeling techniques and methodologies that can be applied to real-life applications. Contributors F. Casati, S. Ceri, R. Cicchetti, L. M. L. Delcambre, E. F. Ecklund, D. W. Embley, G. Engels, J. M. Gagnon, R. Godin, M. Gogolla, L. Groenewegen, G. S. Jensen, G. Kappel, B. J. Krämer, S. W. Liddle, R. Missaoui, M. Norrie, M. P. Papazoglou, C. Parent, B. Perniei, P. Poncelet, G. Pozzi, M. Schreft, R. T. Snodgrass, S. Spaccapietra, M. Stumptner, M. Teisseire, W. J. van den Heuevel, S. N. Woodfield

UML Database Modeling Workbook Pearson Higher Ed
Best-selling author and database expert with more than 25 years of experience modeling application and enterprise data, Dr. Michael Blaha provides tried and tested data model patterns, to help readers avoid common modeling mistakes and unnecessary frustration on their way to building effective data models. Unlike the typical methodology book, Patterns of Data Modeling provides advanced techniques for those who have mastered the basics. Recognizing that database representation sets the path for software, determines its flexibility, affects its quality, and influences whether it succeeds or fails, the text focuses on databases rather than programming. It is one of the first books to apply the popular patterns perspective to database systems and data models. It offers practical advice on the core aspects of applications and provides authoritative coverage of mathematical templates, antipatterns, archetypes, identity, canonical models, and relational database design.

Conceptual Database Design Technics Publications
"Fundamentals of ""DATABASE SYSTEMS," Fifth Edition Ramez Elmasri, "University of Texas at Arlington" Shamkant B. Navathe, "Georgia Institute of Technology" ISBN 0-321-36957-2 "Fundamentals of Database Systems "is a leading example of a database text that approaches the subject from the technical, rather than the business perspective. It offers instructors more than enough material to choose from as they seek to balance coverage of theoretical with practical material, design with programming, application concerns with implementation issues, and items of historical interest with a view of cutting edge topics."" "-Henry A. Etlinger, Rochester Institute of Technology" " " ""This is an outstanding, up-to-date database book, appropriate for both undergraduate and graduate courses. It contains good examples, and clearly describes how to design good, operable databases as well as retrieve and manipulate data from an existing database."" "-Peter Ng, The University of Texas - Pan American" " " With clear explanations of theory and design, broad coverage of models and real systems, and an up-to-date introduction to modern database technologies, Elmasri and Navathe's text continues to be the leading introduction to database systems. Current, practical examples keep readers engaged while new end-of-chapter exercises and a new lab manual provide hands-on experience building database applications with modern technologies like Oracle(R), MySQL(R), and SQLServer(R). This Fifth Edition stays fresh with coverage of the latest, most popular database topics, including: Mobile databases, GIS and Genome Databases under emerging applications Database Security A new chapter on Web script programming for databases using PHP

Fundamentals of Database Systems: Pearson New International Edition BPB Publications
Mannino's "Database Design, Application Development, and Administration" provides the information you need to learn relational databases. The book teaches students how to apply relational databases in solving basic and advanced database problems and cases. The fundamental database technologies of each processing environment are presented; as well as relating these technologies to the advances

of e-commerce and enterprise computing. This book provides the foundation for the advanced study of individual database management systems, electronic commerce applications, and enterprise computing.

A Pragmatic Approach Apress

This book constitutes the refereed proceedings of the 6th International Workshop on Next Generation Information Technologies and Systems, NGITS 2006, held in Kibbutz Shefayim, Israel, July 2006. The book presents 28 revised full papers and four revised short papers together with three invited papers. Topical sections include information integration, next generation applications, information systems development, security and privacy, semi-structured data, frameworks, models and taxonomies, simulation and incremental computing, and more.

Handbook of Research on Innovations in Database Technologies and Applications McGraw-Hill Education

This is a revision of the market leading book for providing the fundamental concepts of database management systems. - Clear explaination of theory and design topics- Broad coverage of models and real systems- Excellent examples with up-to-date introduction to modern technologies- Revised to include more SQL, more UML, and XML and the Internet

Operating System Concepts Essentials, 2nd Edition John Wiley & Sons

This second edition of a pioneering technical work in biomedical informatics provides a very readable treatment of the deep computational ideas at the foundation of the field. Principles of Biomedical Informatics, 2nd Edition is radically reorganized to make it especially useable as a textbook for courses that move beyond the standard introductory material. It includes exercises at the end of each chapter, ideas for student projects, and a number of new topics, such as: · tree structured data, interval trees, and time-oriented medical data and their use · On Line Application Processing (OLAP), an old database idea that is only recently coming of age and finding surprising importance in biomedical informatics · a discussion of nursing knowledge and an example of encoding nursing advice in a rule-based system · X-ray physics and algorithms for cross-sectional medical image reconstruction, recognizing that this area was one of the most central to the origin of biomedical computing · an introduction to Markov processes, and · an outline of the elements of a hospital IT security program, focusing on fundamental ideas rather than specifics of system vulnerabilities or specific technologies. It is simultaneously a unified description of the core research concept areas of biomedical data and knowledge representation, biomedical information access, biomedical decision-making, and information and technology use in biomedical contexts, and a pre-eminent teaching reference for the growing number of healthcare and computing professionals embracing computation in health-related fields. As in the first edition, it includes many worked example programs in Common LISP, the most powerful and accessible modern language for advanced biomedical concept representation and manipulation. The text also includes humor, history, and anecdotal material to balance the mathematically and computationally intensive development in many of the topic areas. The emphasis, as in the first edition, is on ideas and methods that are likely to be of lasting value, not just the popular topics of the day. Ira Kalet is Professor Emeritus of Radiation Oncology, and of Biomedical Informatics and Medical Education, at the University of Washington. Until retiring in 2011 he was also an Adjunct Professor in Computer Science and Engineering, and Biological Structure. From 2005 to 2010 he served as IT Security Director for the University of Washington School of Medicine and its major teaching hospitals. He has been a member of the American Medical Informatics Association since 1990, and an elected Fellow of the American College of Medical Informatics since 2011. His research interests include simulation systems for design of radiation treatment for cancer, software development methodology, and artificial intelligence applications to medicine, particularly expert systems, ontologies and modeling. Develops principles and methods for representing biomedical data, using information in context and in decision making, and accessing information to assist the medical community in using data to its full potential Provides a series of principles for expressing biomedical data and ideas in a computable form to integrate biological, clinical, and public health applications Includes a discussion of user interfaces, interactive graphics, and knowledge resources and reference material on programming languages to provide medical informatics programmers with the technical tools to develop systems

A Spiral Approach Springer

"This book aids managers in the transformation of organizations into world-class competitors through business process applications"--Provided by publisher.

Database Systems Addison Wesley Publishing Company

Describes the new generation of database systems which support the evolutionary nature of the engineering environment by focusing on the temporal dimensions of data management.

Database System Concepts Thomas Telford

Designed to provide an insight into the database concepts DESCRIPTION Book teaches the essentials of DBMS to anyone who wants to become an effective and independent DBMS Master. It covers all the DBMS fundamentals without forgetting few vital advanced topics such as from installation, configuration and monitoring, up to the backup and migration of database covering few database client tools. KEY FEATURES Book contains real-time executed commands along with screenshot Parallel execution and explanation of Oracle and MySQL Database commands A Single comprehensive guide for Students, Teachers and Professionals Practical oriented book WHAT WILL YOU LEARN Relational Database,Keys Normalization of database SQL, SQL Queries, SQL joins Aggregate Functions,Oracle and Mysql tools WHO THIS BOOK IS FOR Students of Polytechnic Diploma Classes- Computer Science/ Information Technology Graduate Students- Computer Science/ CSE / IT/ Computer Applications Master Class Students—Msc (CS/IT)/ MCA/ M.Phil, M.Tech, M.S. Industry Professionals- Preparing for Certifications Table of Contents 1. Fundamentals of data and Database management system 2. Database Architecture and Models 3. Relational Database and normalization 4. Open source technology & SQL 5. Database queries 6. SQL operators 7. Introduction to database joins 8. Aggregate functions, subqueries and users 9. Backup & Recovery 10. Database installation 11. Oracle and MYSQL tools 12. Exercise

Current and Future Trends Springer Science & Business Media

By staying current, remaining relevant, and adapting to emerging course needs, Operating System Concepts by Abraham Silberschatz, Peter Baer Galvin and Greg Gagne has defined the operating systems course through nine editions. This second edition of the Essentials version is based on the recent ninth edition of the original text. Operating System Concepts Essentials comprises a subset of chapters of the ninth edition for professors who want a shorter text and do not cover all the topics in the ninth edition. The new second edition of Essentials will be available as an ebook at a very attractive price for students. The ebook will have live links for the bibliography, cross-references between sections and chapters where appropriate, and new chapter review questions. A two-color printed version is also available.

Information Systems Development Springer

The proceedings of a conference on the management of data. The book contains 37 selected papers and summaries of panel discussions and video presentations, covering new ideas in database technology.

Database Management Systems in Engineering "O'Reilly Media, Inc."

The present book's subject is multidimensional data models and data

modeling concepts as they are applied in real data warehouses. The book aims to present the most important concepts within this subject in a precise and understandable manner. The book's coverage of fundamental concepts includes data cubes and their elements, such as dimensions, facts, and measures and their representation in a relational setting; it includes architecture-related concepts; and it includes the querying of multidimensional databases. The book also covers advanced multidimensional concepts that are considered to be particularly important. This coverage includes advanced dimension-related concepts such as slowly changing dimensions, degenerate and junk dimensions, outriggers, parent-child hierarchies, and unbalanced, non-covering, and non-strict hierarchies. The book offers a principled overview of key implementation techniques that are particularly important to multidimensional databases, including materialized views, bitmap indices, join indices, and star join processing. The book ends with a chapter that presents the literature on which the book is based and offers further readings for those readers who wish to engage in more in-depth study of specific aspects of the book's subject. Table of Contents: Introduction / Fundamental Concepts / Advanced Concepts / Implementation Issues / Further Readings

The Complete Book Springer

This book contains thoroughly refereed extended papers from the Second International Workshop on Knowledge Discovery from Sensor Data, Sensor-KDD 2008, held in Las Vegas, NV, USA, in August 2008. The 12 revised papers presented together with an invited paper were carefully reviewed and selected from numerous submissions. The papers feature important aspects of knowledge discovery from sensor data, e.g., data mining for diagnostic debugging; incremental histogram distribution for change detection; situation-aware adaptive visualization; WiFi mining; mobile sensor data mining; incremental anomaly detection; and spatiotemporal neighborhood discovery for sensor data.

Knowledge Discovery from Sensor Data McGraw-Hill/Irwin

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, this text 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.

Conceptual Modeling - ER 2006 Springer Science & Business Media

An ontology is a formal description of concepts and relationships that can exist for a community of human and/or machine agents. The notion of ontologies is crucial for the purpose of enabling knowledge sharing and reuse. The Handbook on Ontologies provides a comprehensive overview of the current status and future prospectives of the field of ontologies considering ontology languages, ontology engineering methods, example ontologies, infrastructures and technologies for ontologies, and how to bring this all into ontology-based infrastructures and applications that are among the best of their kind. The field of ontologies has tremendously developed and grown in the five years since the first edition of the "Handbook on Ontologies". Therefore, its revision includes 21 completely new chapters as well as a major re-working of 15 chapters transferred to this second edition.

Towards a Service Provision Society CRC Press

This book is tailor made for the course on Database Management Systems for CSE and IT streams. It provides simple but comprehensive explanation of fundamentals of database management systems. It focuses on building database applications by emphasizing on concepts that are the foundation of database processing.