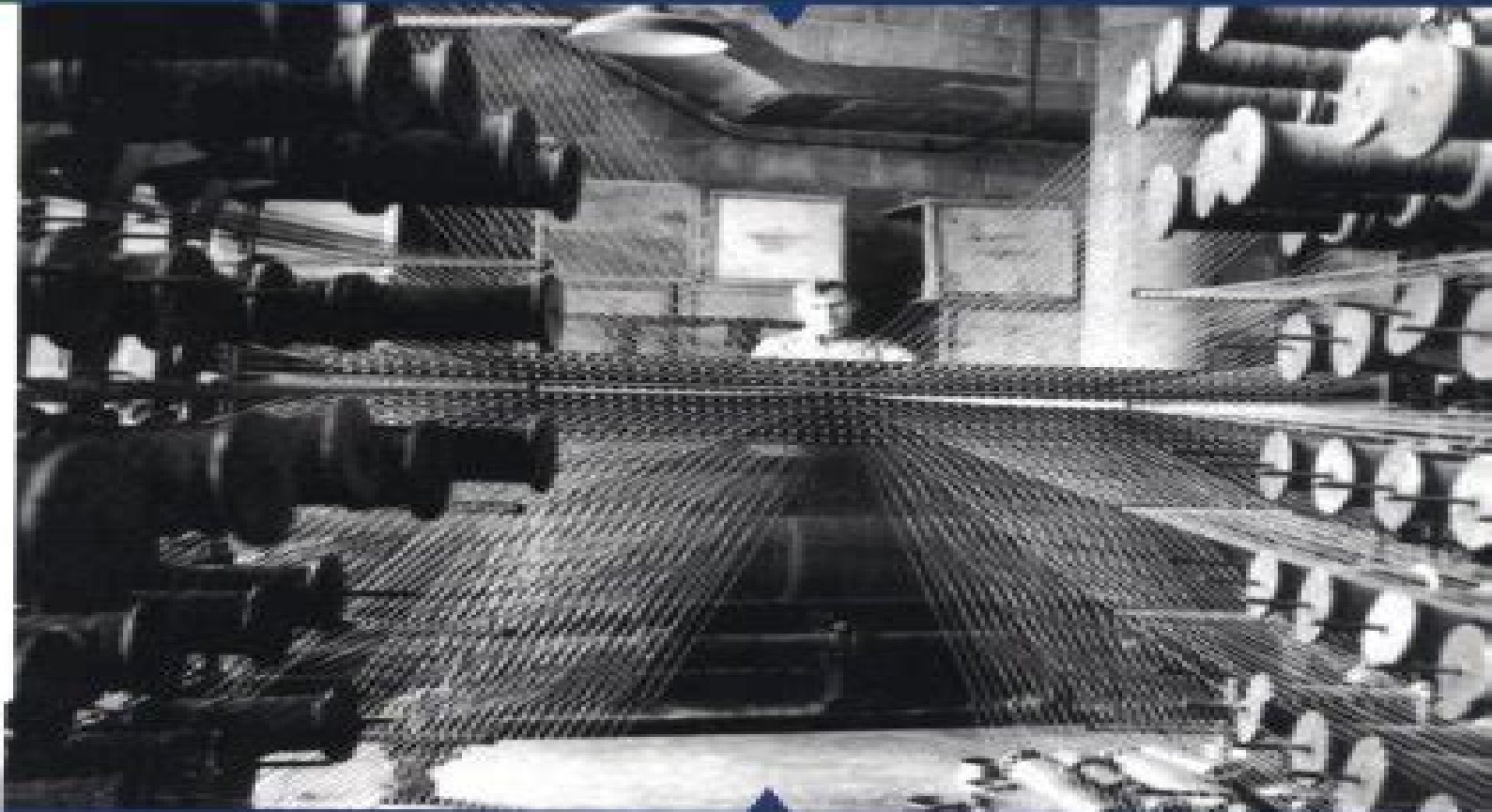


# Object-Oriented Database Design

CLEARLY EXPLAINED



JAN L. HARRINGTON

# Object Oriented Database Design Clearly Explained

**Thomas M. Connolly, Carolyn E. Begg**



## **Object Oriented Database Design Clearly Explained:**

Object-oriented Database Design Clearly Explained Jan L. Harrington, 2000 This book will help you make sense of the conflicting theories and vendor claims about object oriented database systems **BOOK JACKET**

**Relational Database Design Clearly Explained** Jan L. Harrington, 2002-04-23 Fully revised and updated Relational Database Design Second Edition is the most lucid and effective introduction to relational database design available Here you ll find the conceptual and practical information you need to develop a design that ensures data accuracy and user satisfaction while optimizing performance regardless of your experience level or choice of DBMS Supporting the book s step by step instruction are three case studies illustrating the planning analysis and design steps involved in arriving at a sound design These real world examples include object relational design techniques which are addressed in greater detail in a new chapter devoted entirely to this timely subject Concepts you need to master to put the book s practical instruction to work Methods for tailoring your design to the environment in which the database will run and the uses to which it will be put Design approaches that ensure data accuracy and consistency Examples of how design can inhibit or boost database application performance Object relational design techniques benefits and examples Instructions on how to choose and use a normalization technique Guidelines for understanding and applying Codd s rules Tools to implement a relational design using SQL Techniques for using CASE tools for database design

*Distributed Computing* Sajal K. Das, 2002-12-13 This book constitutes the refereed proceedings of the 4th International Workshop on Distributed Computing IWDC 2002 held in Calcutta India in December 2002 The 31 revised full papers and 3 student papers presented together with 3 keynote papers were carefully reviewed and selected from more than 90 submissions The papers are organized in topical sections on Web caching distributed computing wireless networks wireless mobile systems VLSI and parallel systems optical networks and distributed systems

**Journal of Object-oriented Programming**, 2001

**Database Systems** Thomas M. Connolly, Carolyn E. Begg, 2005 This book places a strong emphasis on good design practice allowing readers to master design methodology in an accessible step by step fashion In this book database design methodology is explicitly divided into three phases conceptual logical and physical Each phase is described in a separate chapter with an example of the methodology working in practice Extensive treatment of the Web as an emerging platform for database applications is covered alongside many code samples for accessing databases from the Web including JDBC SQLJ ASP ISP and Oracle s PSP A thorough update of later chapters covering object oriented databases Web databases XML data warehousing data mining is included in this new edition A clear introduction to design implementation and management issues as well as an extensive treatment of database languages and standards make this book an indispensable complete reference for database professionals

Distributed Object-oriented Data-systems Design Prabhat K. Andleigh, Michael R. Gretzinger, 1992 This guide deals with the design and implementation of advanced information systems It covers object oriented data management systems distributed environments and advanced user

interfaces i e those integrating text pictures video and sound This book also focuses on migration issues involved in going from relational database management systems to object oriented database management issues and discusses the advantages disadvantages of both types of systems The authors have developed a unique Frame Object Analysis Methodology for advanced modelling It also shows the reader what constitutes an advanced distributed information system and how to design and implement one The handbook will benefit database analysts database administrators programmers and members of technical staff interested in data models Andeleigh is the author of UNIX SYSTEM ARCHITECTURE Deductive and Object-oriented Databases ,1993 **Technology of Object-oriented Languages and Systems, TOOLS 11** Raimund Ege,1993 *Deductive and Object-oriented Databases* Stefano Ceri,Katsumi Tanaka,Shalom Tsur,1993 This volume contains the proceedings of the Third International Conference on Deductive and Object Oriented Databases Its central tenet is that the object oriented and deductive paradigms for modeling organizing and processing data complement each other rather than competing and that problems involving massive volumes of complex data can best be solved by integrating the best of both approaches Central questions in the area are How do we design a tool that presents the best of the object oriented and declarative ideas How can the users of this tool express their problems in a combination of declarative and procedural features The volume includes 29 papers that contribute towards answering these questions Object-oriented Databases Ez Nahouraii,Fred Petry,1991 This reprint collection consists of articles on object oriented databases and provides a broad overview of current concepts examples and applications The volume contains an introduction to the subject and papers organized into four sections basic concepts applications design and implementation *Software Paradigms* Stephen H. Kaisler,2005-03-17 Publisher Description *The British National Bibliography* Arthur James Wells,2002 *Thông báo sách mới* ,2008 *ESDA 1996: Object-oriented database management systems ; Intelligent robots and automation systems* ,1996 Thirty one papers on the topics announced in the title comprise the second of nine volumes from the July 1996 conference No index Annotation c by Book News Inc Portland Or *Object Oriented Program Design* Mark Mullin,1989 Filmed work by students of the School of Design Swinburne University of Technology *Functional and Object Oriented Analysis and Design* Peretz Shoval,2007 The main objective of this book is to teach both students and practitioners of information systems software engineering computer science and related areas to analyze and design information systems using the FOOM methodology FOOM combines the object oriented approach and the functional process oriented approach Provided by publisher **Object-oriented Modeling and Design** James Rumbaugh,1991 This text applies object oriented techniques to the entire software development cycle Fundamentals of Object Databases Suzanne Dietrich,Susan Urban,2022-05-31 Object oriented databases were originally developed as an alternative to relational database technology for the representation storage and access of non traditional data forms that were increasingly found in advanced applications of database technology After much debate regarding object oriented versus relational database technology object oriented

extensions were eventually incorporated into relational technology to create object relational databases. Both object oriented databases and object relational databases collectively known as object databases provide inherent support for object features such as object identity, classes, inheritance, hierarchies and associations between classes using object references. This monograph presents the fundamentals of object databases with a specific focus on conceptual modeling of object database designs. After an introduction to the fundamental concepts of object oriented data, the monograph provides a review of object oriented conceptual modeling techniques using side by side Enhanced Entity Relationship diagrams and Unified Modeling Language conceptual class diagrams that feature class hierarchies with specialization constraints and object associations. These object oriented conceptual models provide the basis for introducing case studies that illustrate the use of object features within the design of object oriented and object relational databases. For the object oriented database perspective, the Object Data Management Group data definition language provides a portable language independent specification of an object schema together with an SQL like object query language LINQ. Language INTeGrated Query is presented as a case study of an object query language together with its use in the db4o open source object oriented database. For the object relational perspective, the object relational features of the SQL standard are presented together with an accompanying case study of the object relational features of Oracle. For completeness of coverage, an appendix provides a mapping of object oriented conceptual designs to the relational model and its associated constraints.

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*Geographical Information Systems* Paul Longley, 1999. From a review of the First Edition: The book is timely packed with useful background information and thought provoking in its treatment of future prospects, the definitive guide to GIS. Photogrammetric Engineering Remote Sensing: The one stop source for current and comprehensive information on GIS now in a new edition. The long awaited Second Edition of *Geographical Information Systems* brings this definitive reference up to date with the latest developments in GIS techniques and practice. Completely restructured and rewritten by a select international team of almost 100 GIS experts, it remains the resource of choice for anyone seeking detailed state of the art information on all key aspects of this revolutionary spatial science technology from underlying principles and methodology. Volume 1 to management and practical applications. Volume 2 Unmatched in scope by any other reference on the subject. *Geographical Information Systems* Second Edition provides crucial background on basic GIS concepts and addresses the radical shifts and changes that have taken place in GIS technology and its uses. The new edition comes complete with color illustrations, helpful cross referencing plus an extensive bibliography, a list of acronyms and more, a full range of features that make this landmark resource easier to use than ever. Volume 1 offers in depth coverage of key GIS principles and technical issues including Spatial representation, spatial distributions and spatial data, Data quality, error detection and spatial analysis. New GIS technology from networked and open GIS to desktop environments. Current spatial database management methods. Data capture using the latest remote

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