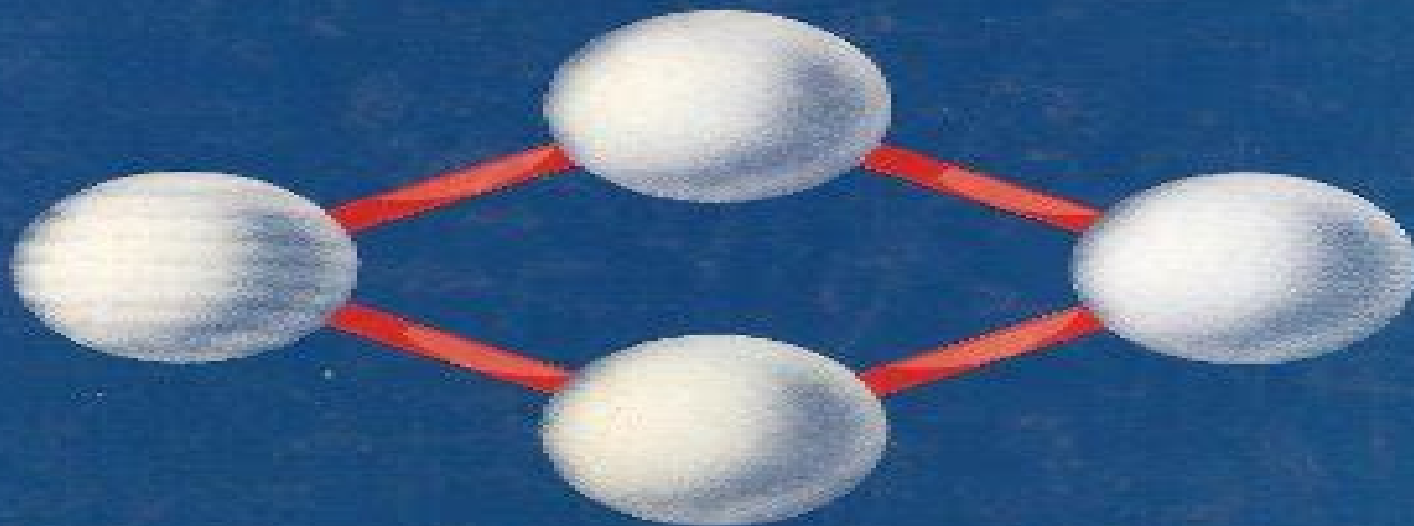


CONCEPTUAL SCHEMA and RELATIONAL DATABASE DESIGN

A fact oriented approach



G.M. Nijssen • T.A. Halpin

Conceptual Schema And Relational Database Design

Pericles Loucopoulos



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Conceptual Schema and Relational Database Design Terence Aidan Halpin, Terry Halpin, 1999 This second edition has been substantially revised and expanded to encompass the latest ideas in designing a conceptual data model It has been written primarily for students of computer science as well as professional database designers The major part of the book deals with Object Role Modelling ORM a conceptual approach which views the world in terms of objects and the roles they play Each chapter ends with a summary of the major points covered and a glossary of terms and technical symbols is included Graded exercises are included as are selected answers a bibliography and an index The author is a senior lecturer and director of the asymmetric research laboratory at the University of Queensland

Information Modeling and Relational Databases Terry Halpin, 2001-04-17 Information Modeling and Relational Databases provides an introduction to ORM Object Role Modeling and much more In fact it s the only book to go beyond introductory coverage and provide all of the in depth instruction you need to transform knowledge from domain experts into a sound database design Inside ORM authority Terry Halpin blends conceptual information with practical instruction that will let you begin using ORM effectively as soon as possible Supported by examples exercises and useful background information his step by step approach teaches you to develop a natural language based ORM model and then where needed abstract ER and UML models from it This book will quickly make you proficient in the modeling technique that is proving vital to the development of accurate and efficient databases that best meet real business objectives The most in depth coverage of Object Role Modeling available anywhere written by a pioneer in the development of ORM Provides additional coverage of Entity Relationship ER modeling and the Unified Modeling Language all from an ORM perspective Intended for anyone with a stake in the accuracy and efficacy of databases systems analysts information modelers database designers and administrators instructors managers and programmers Explains and illustrates required concepts from mathematics and set theory

Database Design for Smarties Robert J. Muller, 1999-03-08 Craft the Right Design Using UML Whether building a relational object relational or object oriented database database developers are increasingly relying on an object oriented design approach as the best way to meet user needs and performance criteria This book teaches you how to use the Unified Modeling Language the official standard of the Object Management Group to develop and implement the best possible design for your database Inside the author leads you step by step through the design process from requirements analysis to schema generation You ll learn to express stakeholder needs in UML use cases and actor diagrams to translate UML entities into database components and to transform the resulting design into relational object relational and object oriented schemas for

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PARBASE-90, International Conference on Databases, Parallel Architectures, and Their Applications Naphtali Rish,Sham Navathe,Doron Tal,1990 Annotation Proceedings of the March 1990 meeting held in Miami Beach Florida Thirty three full papers and 50 short papers were selected from almost 200 No index Acidic paper Annotation copyrighted by Book News Inc Portland OR *Software Design and Development: Concepts, Methodologies, Tools, and Applications* Management Association, Information Resources,2013-07-31 Innovative tools and techniques for the development and design of software systems are essential to the problem solving and planning of software solutions Software Design and Development Concepts Methodologies Tools and Applications brings together the best practices of theory and implementation in the development of software systems This reference source is essential for researchers engineers practitioners and scholars seeking the latest knowledge on the techniques applications and methodologies for the design and development of software systems

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