

[PDF] Database Design For Mere Mortals: A Hands-On Guide To Relational Database Design (2nd Edition)

Michael J. Hernandez - pdf download free book

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Description:

Programmers and software architects don't really make a conscious decision to design an application (particularly one with online exposure) around the three-tier model-view-controller design pattern anymore. Three-tier, largely because of its adaptability and stability, is the norm. All of which means you need a database to underpin each of your applications. Designing your databases correctly can make the difference between slow-running, complicated code and software that's speedy, modular, and easy to work with. *Database Design for Mere Mortals* prepares someone

with only a passing familiarity with databases for the important job of building the persistence layer (also called the data model) for software.

Michael Hernandez explains database design in tradesman's terms. That is, he shows his readers how to identify the business problems that have to be satisfied by a database, then proceeds to explain how to build a solid solution to them. Hernandez's approach combines procedural guidelines (first identify critical facts, then apply a certain logic to yield tables, then establish cross-references, and so on) with practical definitions that clear up much of the rich trove of jargon surrounding databases. He walks through numerous examples, and doesn't shy away from the complexities that always exist in real customers' requirements. If you're not familiar with database design, and want to be, this is the book you need. --*David Wall*

Topics covered: How to design databases that fit business requirements and make software construction easier. In addition to explaining relational database concepts, the author explains data integrity, null values, keys, table relationships (one-to-one, one-to-many, and many-to-many), and data types. He emphasizes processes designers should follow in building a new database or improving an existing one.

From Library Journal This truly excellent introduction to relational database design will work for both novices and advanced designers because the book does not tie itself to any particular database implementation. Hernandez has years of database design and training experience. For all levels from public to university libraries.

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