

Download Conceptual Database Design An Entity Relationship Approach

Database designs also include ER (entity-relationship model) diagrams. An ER diagram is a diagram that helps to design databases in an efficient way. Attributes in ER diagrams are usually modeled as an oval with the name of the attribute, linked to the entity or relationship that contains the attribute. Degree of a relationship is the number of entity types involved. The n-ary relationship is the general form for degree n. Special cases are unary, binary, and ternary, where the degree is 1, 2, and 3, respectively. In software engineering, an ER model is commonly formed to represent things a business needs to remember in order to perform business processes. Consequently, the ER model becomes an abstract data model, that defines a data or information structure which can be implemented in a database, typically a relational database. Entity-relationship modeling was developed for database design by Peter ...

RELATIONAL DATABASE DESIGN EXAMPLE (This is a very much simplified example to illustrate concepts only.)

1. Semantic Modeling: Employee has ID, salary and reports to a manager who is also an employee.