

# TUTORIAL

## Conceptual Modeling Using an Extended E-R Model

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The tutorial will cover the concepts used in conceptual data modeling and database design, including entities, attributes, relationships, subclasses, specialization, generalization and categories. It will also present the techniques for mapping (transforming) a database schema design from an extended-ER model into a relational database design. A comparison between the traditional extended-ER models and the newer object-oriented data models will also be given.