

LU03.A06 - ERM vs. ERD

Prerequisites

- Work type: Peer
- Means of aid: only teaching materials, no use of ai.
- Timeframe: 5 Minutes
- Expected result: A Word/PDF file with an a comparison of the terms ERM vs. ERD.

Task

Compare both terms, ERM and ERD, and describe the purpose of each, and find at least 2 similarities and 2 differences.

ERM

- Description: First step to find the entities and the correlations between them.
- Purpose: Blueprint of the business cases

ERD

- Description: Identification of details, such as data-types, relation-table and the cardinality
- Purpose: construction plan, ready to build up the data-base physically

Similarities

- Both notation method are used to describe the data-base strutcure of the business cases
- Entity = rectangle
- Cardinalities: 1:1, 1:n, n:m
- Entities have attributes

Differences:

- Relations:
 - ERM: rhomb
 - ERD: relation-table
 - ERD: Attributes have not data-types
 - ERD: Described in the Crow's foot notation
- Attributes:
 - ERM: bubbles above, which are connected with the entity
 - ERD: As details in the Entity, including data-type
 - ERD: Memory amount is describes within the data-type defintion

Vocabulary

English	German
prerequisite	Grundvoraussetzung

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English	German
given	gegebene, vorausgesetzt
blueprint	Entwurf



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