

# LU03.A05 - ERD: SchoolGrades DB

After developing our conceptual data model, the next step to establish a physical data base is shape a ERD, the Entity Relationship Diagram.

## Prerequisites

- Work type: Peer
- Means of aid: only teaching materials, no use of ai.
- Timeframe: 10 Minutes
- Expected result: A Word/PDF file with an ERD that visualises the given business case.

## Task

Create an ERD to the given ERM in the Crow's Foot Notation.

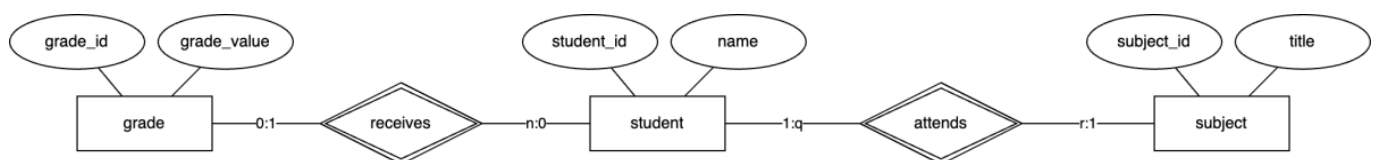
- Identify additional attributes
- Establish relation with inkl. the primary keys and foreign keys
- Connect the tables and finish your work by fixing the entities (0:1, :1, 0:n)

## Given Details

1. Relationships:

- 0-to-1:
  - A student have 0 to at the most 1 grade in each subject.
- 0-to-many
  - A subject can be attended by many students.

2. ERM visualisation



## Solution

[Lösung](#)

# Vocabulary

| English      | German                  |
|--------------|-------------------------|
| prerequisite | Grundvoraussetzung      |
| given        | gegebene, vorausgesetzt |

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