



Exercise for *Database System Concepts for Non-Computer Scientist* im
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<http://db.in.tum.de/teaching/ws1920/DBSandere/?lang=en>

Sheet 04

Exercise 1

Consider the entity relationship model of a train connection system (below). Note: **connects** models a the direct connection between two stations. For example, the train starting in Munich and ending in Hamburg passes through several stations. Each of these route-sections (e.g., Munich → Nürnberg or Nürnberg → Würzburg) has an entry in the **connects** relation.

- Add functionalities to the ER diagram.
- Transform the ER diagram into a relational schema.

