

## 2: Relational Schema

- Points: 20
- Assignment:
  - **Transform your ER diagram into the relational model schema**
    - I.e. transform all the involved entity types, relationship types, attributes as well as identifiers
    - Describe all foreign keys
  - **Draw a diagram of the transformed relational schema**
- Requirements:
  - Use a textual syntax described in the lecture as well as draw a visual diagram
  - **Both the schema and diagram must mutually correspond to each other as well as to the original ER diagram**
  - You must not introduce new artificial identifiers (e.g. automatically generated integer ids)
  - You may modify your ER schema (from the previous assignment) if necessary
  - You must extend and/or correct your ER schema in case it did not contain all the required constructs
- Conventions:
  - *Table(Key1, Attribute1, Attribute2, ...)*
  - Underline keys (distinguish between structured keys and multiple individual keys)
  - Describe foreign keys explicitly
- Software:
  - [DBDesignerFork](#) - Display / Notation / EER [1,n]
- Submission:
  - **/er-diagram.pdf**: PDF file with a diagram of the original ER schema (possibly altered, will not be assessed)
  - **/rm-schema.pdf**: Relational schema described using the textual notation
  - **/rm-diagram.pdf**: PDF file with a diagram of your relational schema