

### 3: SQL: Data Definition

- Points: 20
- Assignment:
  - **Transform your relational schema into the corresponding SQL schema**
    - I.e. use *CREATE TABLE* statements to create a schema of your relational database
  - Satisfy all the following requirements:
    - Use appropriate **data types**
    - Ensure **referential integrity** including meaningful **referential actions**
    - Use each of the following integrity **constraints** at least once: *NOT NULL*, *PRIMARY KEY*, *UNIQUE*, *CHECK*
    - At least one constraint must be defined as a **column-level constraint** and one **table-level constraint**
- Requirements:
  - Your SQL script must be **syntactically correct and executable** without errors, even repeatedly
  - Use *DROP TABLE IF EXISTS* statements at the beginning of the script to **drop all the tables first**
  - Do not use tools to generate your SQL statements automatically, write them on your own
  - You are encouraged to introduce new artificial primary keys (e.g. integer ids) whenever appropriate
  - You may modify your relational model schema (from the previous assignment) if necessary
  - You must extend and/or correct your relational schema in case it did not contain all the required constructs