# Mandatory assignment 1
## Databases for Developers

Start with the implementation of the final project. The task for the 1st assignment is to design a relational database of your choice (**MySQL is recommended**) for the project according to the requirements described in the final project description.

**The goal is to:**

- Create the ERD for your relational database (conceptual, logical, physical).
- Generate the database to a database server (for example MySQL server).
- Make sure your design is working – primary and foreign keys, data types, constraints, referential integrity checks, …
- Write SQL scripts for populating your database with realistic test data.
- Implement:
  - stored procedures, stored functions
  - indexes for faster querying
  - views
  - triggers, events
- Start writing the final report – only the parts that are covered by this assignment.


**Artifacts (things to deliver)**

- Relational database scripts (one or several), including:
  - Database creation, including tables, keys, indexes, constraints, and referential integrity checks.
  - Load of test data
  - Stored procedures and functions
  - Triggers, Events, Views
- A brief installation procedure that specifies how to import the database in a test environment with full operational capabilities.
- Report:
  - Follow the structure required for the final report and pick the parts that are covered by this assignment. It is acceptable if some parts are not completely finished as the project will continue. In that case you can describe your ideas about how you are going to cover the missing parts later.

**Delivery**

Hand in to the Fronter before the deadline.