

# Databases Project 2025

## Assignment 1

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**Deadline:** 2025-sep-11 23:59

### 1. Service Description (10 pt)

This first task is on your individual project. You will first need to agree on a topic, as a team (based on the group assignments distributed). Questions to consider for this choice include:

- Do we have enough competence in the group to develop an information system on our topic?
- Will we be able to find (or invent) sample data of the domain?
- Is it exciting for everybody in the team?

...so this task is also a task on teambuilding.

Technically, you need to specify the purpose and functionality of the system and model the data it uses. This specification is only considered to be the initial design document, which will be updated as you progress on and gain insight into the project. What you submit in this task will be part of your project documentation, so think about using an electronic format (e.g. LaTeX, MS Word, html, ...) that can be updated easily later. Target size is one page and should contain these parts:

- Give your project a name, and list all team members.
- Describe the intended functionality of the web application from a user perspective. This should be about  $\frac{1}{2}$  page of text.
- Establish the ER diagram of your miniworld. **For a team with N members this ER diagram must contain N ISA hierarchies (triangles).**
- Describe in general terms the ways the user interacts with the system (make a list). What does the user see, what actions can s/he take, what are their results, what about illegal input/actions.

Do not specify the underlying relational database schema (this is not the user perspective, we will do that later) or the graphical design of the user interface (will do that later). In other words - following the common subdivision GUI / application logic ("business logic") / data management – the task on hand focuses on the application logic layer.

#### Submission:

- An **email to the TAs** containing the design document as a PDF.