Assessment Criteria For Seminar 2, Logical and Physical Model

Data Storage Paradigms, IV1351

The list below are suggestions about things to discuss, you don't have to cover them all. The same criteria will be used when grading your solution at the final report in January. Make sure to discuss and/or ask the teacher about questions regarding your solution. This seminar is where you can get feedback before the final report in January.

Take notes of your discussions during the seminar. At the end of the seminar you will be asked to say a few words about differences between solutions in your group, and about pros and cons of different solutions. **This is not an examination**, you just share the conclusions you have made, no matter how many or few they are.

- Are naming conventions followed? Are all names sufficiently explaining?
- Is the crow foot notation correctly followed?
- Is the model in 3NF? If not, is there a good reason why not?
- Are all tables relevant? Is some table missing?
- Are there columns for all data that shall be stored? Are all relevant column constraints and foreign key constraints specified? Can all column types be motivated?
- Can the choice of primary keys be motivated? Are primary keys unique?
- Are all relations relevant? Is some relation missing? Is the cardinality correct?
- Is it possible to perform all tasks listed in the project description?
- Are all business rules and constraints that are not visible in the diagram explained in plain text?
- Are there attributes which are calculated from other attributes and then written back to the database (derived attributes)? If so, why? Records of student fees and instructor payments might be examples of such attributes.
- Are tables (or ENUMs) always used instead of free text for constants such as the skill levels (beginner, intermediate and advanced)?

- Is the method and result explained in the report? Is there a discussion? Is the discussion relevant?