AALBORG UNIVERSITY

Cassiopeia

Database Systems – Spring 2014
DPT Group, Aalborg University
Handed out: 06.02.2014

Teacher: Katja Hose
Self study 1: mini-project part 1
Deadline: 12.02.2014

The overall goal in the whole mini-project is to create and work with a movie database in five incremental steps. The first step is to identify the information that is going to be represented as well es special requirements. Then, the information is modeled in an ER diagram and mapped to a relational schema. The database schema is then refined and normalized, so that it can be instantiated in PostgreSQL. After filling database with data, it will be queried and optimized.

Preliminary Database Modeling

The database should store information about actors, directors, writers, movies, awards, ratings, and users providing ratings. In general, you may use the Internet Movie Database (IMDB `http://www.imdb.com`) for inspiration. But be aware that IMBD stores a large variety of information. You should not try to incorporate all this information into your database design! For most aspects, it will be sufficient to have 5 attributes instead of 20. Please choose the most interesting ones.

Solve this task based on your current knowledge!

- This means that you should first document and describe your database in the way you would do it (or have done it) in a project report!
- In addition, please provide a list of tables with attributes that you would use to store your data. In case you already have a good command of SQL, please feel free to be more specific and add the SQL commands that create your database.
- Only one person per group should hand in the report on Moodle.
- Please make sure the report lists the names of all group members.

What you hand in will serve as a basis for reflections for upcoming self studies, i.e., in future reports you will be asked to compare your solution to the preliminary model that you have developed in this self study.

Self study: 06.02.2014
The report must be handed in via Moodle no later than
12.02.2014, 23:55 CET