

1DV013 – Database Theory

Practical Assignment 1 (30 p)

Deadline: September 28, 2014

1 Setting up MySQL

1. Download and install MySQL from mysql.org. Make sure you download the **Community Server**, as that is the freely available version.
2. Installation should be straightforward. However, there are several options and different procedures for various operating systems. Follow on-screen instructions and refer to [Section 2.4](#) of the manual. Since the MySQL console (*mysql*) makes annoying beeps when entering faulty commands, you might want to run it with the `--no-beep` option. If you want to install GUI tools for MySQL, you may follow [this link](#) (installation of the tools is not required).

2 Movie Database

1. Study the text files contained in [movieDB.zip](#). Based on these files, create an ER-Diagram for a database design which can contain the information herein (hint: you are not expected just to have an entity per a provided text file, think about your design carefully!). The ER-Diagram should contain at least one *isa*-relation. Don't forget attributes, and indicate the keys.
2. Create a set of MySQL commands that creates the database and the tables corresponding to your ER-Diagram (your relational schema may differ from your ER design, but it must be sufficient). You don't need to fill in any content yet. You may find useful information about creating databases in MySQL [here](#).
3. Write a short report describing your work from the first two steps.

Your submission must include a PDF report and SQL script file(s). For this assignment, you may either draw diagrams in an editor (e.g., yEd) or by hand (make sure your drawings and text are readable and unambiguous). Assignment must be submitted as a single ZIP archive via the Moodle submission system. Email submission attempts will be ignored.