

1DV 013 - Database Theory

Assignment 4 - Management System (DBMS)

The fourth and the last assignment contains only practical part. Deadline is *November 21*. Please note that you may have to correct issues regarding this assignment after the oral exams in week 47. **Therefore, you do not have additional 3 days to hand it in.**

For presentation of the practical part, please schedule a meeting with Antonina Danylenko by e-mail for the presentation of the project on *November 21*. Please do this until *November 10*, otherwise you will be not assigned a time, and therefore will fail the assignment. Please bring your own laptop for the demonstration of the project. If this is not possible, please notify Antonina about it.

1 Practical Part

Write a management tool for your movie database. Valid programming languages are *Java* and *C#* (or any other if you know it better). Your tool should perform the following tasks:

- Management (inserting/deleting data) of
 - Movies,
 - Genres,
 - People,
 - and relations among those
- Browsing through and searching for movies and people
- Present a movie or a person:
 - For a movie: length, year, who acted in it, ...
 - For a person: name, what movies did he/she participate in, ...
 - For a genre: what movies of this genre were made in some particular year, ...

The tool should make use of the capabilities of the database system, e.g., it should *not* just load all the data into memory and work locally on the data.

A GUI application is preferred (as it is easier to use), but a console based application is valid as well.

Feel free to add more functionality, the **new ideas** are highly appreciated and more then welcomed.