

Project

Due: see course homepage

The project for this year's database course consists of developing a database for a DR (Danmark's Radio) that allows it to conserve information about various television series. Here are a typical queries that we hope your database can answer:

- What episode of what *series* aired in December 2008 featuring *actor* "Rasmus Bjerg"?
- On what website can we find more information about the series featuring the *character* "Ida"?
- Where is the *studio* located where "X-factor" will be recorded?

Please design, implement, populate, and query a database that manages all this information. In particular, do the following.

1. Develop a precise entity-relationship diagram including constraints, weak entity sets etc. (10 points)
2. Translate your diagram into relations. Define primary keys etc. (10 points)
3. Give the SQL statements to create the database. (10 points)
4. Show that your database design is 3NF. (10 points)
5. Translate the questions above into SQL queries. (10 points)

Evaluation: When we evaluate the project, we will carefully evaluate your answers for those four tasks and judge them by conciseness, beauty, and functionality. 25 points or more are necessary to pass the project.