



EECS-3421

Introduction to Database Systems

York University
Winter 2018

Project #1-A

E/R: Episodes

The Project

This project has *two* steps. In the first step, *this* step, you will develop an entity-relationship diagram (ERD) for the attached case. In the second step — step **B** of the Project, to follow *later* — you will create the relational schema (the tables) for the ERD, which we will be providing.

For step one, “draw” an E/R diagram for the *episodes* domain described below. In your diagram, clearly identify the

- *entity sets*,
- *relationship sets*,
- *multiplicity* (e.g., *many-one's* & *many-many's*),
- *attributes*,
- *keys*, and
- *additional constraints*,

using the notations and diagramming rules as described in the textbook and in class.

E/R Dialects (Warning!)

The textbook — and our examples in the lectures — uses the “Stanford” style of E/R modelling. Note that there are many dialects of E/R, however. For consistency, for *this* project, you *must* adhere to the Stanford (the textbook's) dialect.

A different textbook was used previously in this course at York which used a different dialect of E/R (the “Wisconsin” dialect). So there is lots of “3421” material around with E/R examples written in the Wisconsin dialect. The two dialects are not significantly different, but there are notable syntactic differences. Feel free to use these for studying and for reference, of course, but be aware of the differences. And again, do *your* work in the Stanford dialect.

Requirements

The *Episodes* Domain

You have been hired by the TV production behemoth **NetPix** to design a database that stores information about TV *series*. Congratulations!

Pass One