

C019-320302

Databases & Web Services

Assignment 2

1. Relational model for a chain of pharmacies

Consider the Drugs'R'Us scenario from the last assignment. Write SQL statements to create the corresponding relations and capture as many of the constraints as possible. If you cannot capture some constraints, explain why.

Note: Don't try to optimize the relational schema (in particular: minimize the number of tables), make it simple and straight forward.

2. Initial Project Specification

This task is based on your projects. You will need to specify the functionality of the system and model the data it uses. This specification is only considered to be the initial design document, which will be updated as you progress on and gain insight into the projects. At the moment we will only assess plausibility of the initial assumptions, not whether the final project will adhere exactly to these. What you submit in this task will be part of your project documentation, so think about using an electronic format (e.g. LaTeX, MS Word, html, ...) that can be updated easily later. Target size is one page.

If you have a "customer", then now is the time to contact that person and ask all necessary questions to obtain the information requested below.

- Describe the intended functionality of the web application from a user perspective.
- Describe in general terms the ways the user interacts with the system (make a list). What does the user see, what actions can s/he take, what are their results, what about illegal input/actions.
- Describe the information collected and stored (including details on how you plan to obtain data sets for your database).

Do **not** specify the underlying database schema (this is not the user perspective!) or the graphical design of the user interface (too early). In other words - following the common subdivision GUI / application logic ("business logic") / data management - this task focuses on the application logic.

List your team members (name, email) and choose a team name.