

Project Overview

The project assignment is deliberately open-ended, allowing you to apply what you are learning to an area of practical interest. It will consist of the following parts:

1. Choose a domain with which you are familiar - other than one of the domains used in the readings or in class. (If you wish, you may choose an appropriate subset of a larger domain.) **Deliverable:** An electronic document containing
 - A one-sentence informal description of the problem domain, written from the perspective of the client or end-user of the system
 - A complete description, in English prose, of the *miniworld* the database will represent. An example of this was given in the handout for HW 2 – ER Models (the bookstore).
 - **You should acquire an email approval of your domain from me before continuing with the rest of the assignment.**
2. Develop a conceptual model for your domain in the form of a complete E-R diagram. **Deliverable:** the E-R diagram (either handwritten or electronic)
3. Develop a logical model by mapping your ER schema to a relational schema that represents a normalized relational database. **Deliverable:** a graphical representation of the relational model that includes mappings from foreign keys (handwritten or electronic).
4. Create an Access database that represents your relational model. Populate it with sample data. Propose at least five queries that will be commonly used by the database client. Implement each of these queries in SQL and test it on your populated database. **Deliverable:** a zipped Access database file in an email attachment.

I am more than willing to look at parts of your project as you go along. Please make sure to get started soon so that you have enough time to finish.

Start brainstorming for domain ideas...