

CMSI 486

INTRODUCTION TO DATABASE SYSTEMS Fall 2005

Assignment 1027

Time to focus on your respective database projects — presumably you've been working on them, since they've been approved for a few weeks now...? Whether or not this is the case, it's midsemester milestone time.

Not for Submission

While I won't specifically check for it this time, it is *highly recommended* that you commit all of your working files to CVS, including your design documents (as PDFs, PNGs, or some other digital format). Code should go under *src* and design documents should go under *doc*. Appropriate frequency and timeliness of commits will play into the final grading of your project.

For Submission

Submit the latest versions of the following documents and/or code. Distribution instructions follow:

1. *Use case model* — Preferred level of detail is the point at which a use case can be translated directly into DAO methods/queries
2. *Conceptual data model* — UML
3. *Relational data model* — Relational schema diagram
4. *Database updates and queries* — Relational algebra expressions; should correspond to the database-related use cases and of course the relational schema
5. *(optional, extra credit) Initial implementation* — DAOs (based on your use case model), DTOs (based on your conceptual and relational data model), DAO factory, test database fixture, unit tests

Submit items (1) to (4) on hardcopy; if you have some of item (5) done, submit that on both hardcopy and by e-mail.

Finally — *make copies* of (1) to (5) for distribution to the rest of the class. If you've done a bit of (5), have the code ready at a workstation for us to review. We will go over selected portions of everyone's work together in class.