

Course 1-02-322: Database Systems

Semester Project

Final Report and Presentation

Michael J. May

Presentation: January 20, 2010; Report Due: January 24, 2010

Having designed your database system from the bottom up, it is time to summarize what you have done and present it all in a unified and formal fashion. Doing so involves collecting the materials that you have put together so far, including all of the design and implementation documents that you made.

The final report should include *all* of the **explanations, code, and diagrams** that you have developed for your database during the course of the semester. In addition to the existing material, you must add a 1 page summary of the project, including:

- A list of the students in the project group, a listing of what each student did, and an approximation of the number of hours worked on the project.
- An overview of the purpose of the database
- A description of its structure
- Thoughts about how the database could be extended or improved
- Personal evaluation about what you have learned from performing the project and what you would have liked to understand more.

The report should consist of a **single** document. The document can be in any generally accepted format: PDF, Word Document, Powerpoint Presentation, HTML, Postscript, etc. Student who do not turn in their report as a single file will be penalized.

1 What you must turn in by January 24, 2010 at 11:59pm

You must turn in a project report file by January 24, 2010 in **one file** which includes the following items:

1. The 1 page project summary as listed above.
2. The full contents of what you turned in for the **ERD** stage of the project. Include any updates or changes made.
3. The full contents of what you turned in for the **Relations** stage. Include all SQL code and any updates or changes made.
4. The full contents of what you turned in for the **Views** stage. Include all SQL code and any updates or changes made.
5. The full contents of what you turned in for the **Active Database** stage. Include all SQL code and any updates or changes made.

Turn in the above materials via email (ise322@gmail.com), Telem, or in person in one file.

2 Presentation on January 20, 2010

You also must present your project to the class during the final targil session on January 20, 2010. At least one member of the team must come to the Targil session to present the project. The presentation must be structured and include the following elements:

- A display of the ERD and a 2-3 minute explanation to the class about its main features
- A presentation of the three to five most important tables in the database. The relations must be shown with sample data included.
- A presentation of the five most interesting views in the database. The views must be shown “live” and filled with sample data
- A presentation of the triggers. An interactive display of one of the triggers using sample data.
- A presentation of the stored procedures. An interactive display of one of the stored procedures.

The entire presentation should take 7-15 minutes.

Student groups which satisfy the above parts will receive full credit for the presentation portion of the final phase. Groups who skip or do not succeed in some of the above parts will receive partial credit accordingly.