

CSCIX370 Database Management

Spring 2014

Term Project Guidelines

Due: Term Project Proposal presentations and documents are due Feb 4, and 6.

Each project group needs to prepare a term project proposal document and a presentation.

The proposal presentations will take place on the following dates:

- Tue: Feb 4 Term-Project Proposals-1 (groups 1-6)
- Thurs: Feb 6 Term-Project Proposals-2 (groups 7-11)

Duration of the presentations must be about 10 minutes (8-10 slides). The proposals (e-mail to instructor and TA with subject line "X370 Project Proposal") are due the same dates and their length must be about a single page in 11/12 points font.

The proposals need to follow the following guidelines:

1. A project needs to use either MySQL or PostgreSQL as a database backend.
2. Groups are free to choose any programming environment (e.g., PHP, Java etc.).
3. A project needs to use a significant number of tuples. Minimum number of tuples must be 5,000. In special circumstances less number of tuples can be acceptable. Also using real data (i.e. imported from web etc.) is strongly advised.
4. A project needs to use database design in ER, normalization process and indexing capabilities of the database backend.
5. A project needs to provide a novel way to query the data, which was not previously possible in its native/original place (of the data set) (as an example consider CIA Factbook; if you prefer to build a database on the countries you need to provide a novel way to query country data, which does not exist in the original Factbook web site).