Phase II due date: Friday, December 9, 2016 (12:00 PM).

What to hand in:

(1) Your Phase I submission may be considered an integral part of the final project, and it will not be necessary to repeat this information in your Phase II report. Ideally you should copy the Phase I contents at an appropriate place in your final report, to make it easier for to review the information, or at a minimum attach it as a separate document at the end.

(2) On your cover page, include (a) the names of your team members, (b) the section you are enrolled in (315 or 415), (c) your email addresses, (d) a 2-3 line description of your application domain, and (e) a URL where an on-line project interface is located if you have one (which is not necessary) or a description of how/where to view your results.

(3) If your project description or database design has changed since your Phase I submission, describe these changes or additions.

(4) Briefly describe how you loaded the database with values, including the sources of your data (e.g. URL’s) and pointers to any specialized code you developed for preprocessing, extracting or loading the data.

(5) If you did not use mysql on dbase, describe the exact software/hardware platform you used.

(6) Provide a brief user’s guide, describing in sufficient detail how a user could run your code, especially if using a non-standard platform or interface. If the comments in your code are sufficiently detailed, a pointer to them will be adequate.

(7) List your major/minor areas of specialization. In most cases, these will be either (1) complex extraction of real data from online sources, or (2) a specialized view or forms-based interface with sophisticated report generation. Common minor topics include (3) transaction control, (4) security and (5) data-mining queries.

(8) Give an analysis of your system’s limitations and list suggested possibilities for improvement.

(9) Include a set of reasonably formatted “output” from your project, appropriate for the focus of your project, and demonstrating interesting and challenging extraction, synthesis and summarization of information in the database, with sufficient titles and or notes to make it clear what the output represents. The nature of the output will depend on what is the the focus of your project.
(10) Submit a full relational table specification of your database in the SQL Database Definition Language (DDL). This specification should include both the data type of each attribute, the NOT NULL constraint when appropriate and sample data values for each attribute represented as comments. You should also specify the primary keys (e.g. PRIMARY KEY (ssn)) and referential constraints (e.g. FOREIGN KEY (mgrssn) REFERENCES employee(ssn)). Many groups included this specification in their project phase I writeup.

(11) Include a hard copy of all SQL code used in your system (commented appropriately), as well as any additional programs you used for data acquisition and input. If you have long sequences of 'input' statements in excess of 2 pages, provide a 2-3 page representative sample.

(12) In addition, you are required to submit all a complete archive of all your code (SQL/stored-procedures/Perl/PHP/etc.) and data files, combined together as a unix tar file or zip file. To do this, make a new subdirectory somewhere given the same name as your mysql logname (e.g. jdoe) and copy or move all of your files to this subdirectory. The subdirectory should have nothing else in it but the code/data you plan to submit. Change to the parent directory of jdoe and run the following command:

```bash
tar -cvf - jdoe | gzip > jdoe.fp.tgz
```

where jdoe is replaced with your actual username. Watch the tar running log to make sure that all the files you want are included, and actually look at the contents of the jdoe.fp.tgz file (e.g. using more or cat) to make sure it's not empty before sending it. The mechanism for submission of this output will be described later, as the normal homework submission program for the class may not be able to handle large output.

Groups using non-standard platforms should consult with us regarding the appropriate mechanism for electronic submission.