Guideline for Project Submission/Demo

1. Each team needs to submit both softcopy and hardcopy of anything related with databases, including ER/EER diagram, relation schema, scripts to create tables/procedures/triggers/views, and load data. Zip all the files and email it to me (zdong@mtsu.edu) before project demo. The subject of the email should be: CSCI 4560 Project.

2. Give me the hard copy during the demo. A cover page should come with the hard copy. Everything should be stapled or put into a folder. Please list all team members and their contributions (in percentage) in the cover page. The sum of percentages of all team members must be 100%. Each team member must sign the cover page beside his name. **No project will be accepted if not all members sign the cover page.**

3. Each team must elect one member to give the demo. Only the elected person can manipulate the application and talk during the demo. All other team members are not allowed to make any sound or give any suggestion during the demo. Otherwise, 5 points will be deducted.

4. The application can use your own or department MSSQL/MYSQL server. Demo can be done in your own laptop or lab machine.

5. Demo will be in the following order.

group1	Bandy, Jason Douglas	Rath, Chelsea L	Lauthern, Jonathan Mark
group2	Payne, Terry Stanford	Todd, Joseph M	Wade, Joshua W
group3	Collins, Jerome D	Kurani, Sagar K	Metzger, Matthew Craig
group4	Hancock, Paul Anthony	Houglum, Matthew Lawrence	Reaves, Robert Austin
group5	Brigham, Christopher Lee	Gomez Castillo, Andres F	You, Tsung Han
group6	Hearne, Thomas G	Kowalsky, Joseph James	Watson, Daniel Matthew
group7	Aleryani, Aliya	Alessa, Mohammed Mahayla	Alqahtani, Mohammed Saad
group8	Malone, Timothy Dale	Morton, Scott Paul	Corazao, Pete Thomas
group9	Berry, Robert Anthony	Giles, Robert R	Huffman, Nicholas Steven
group10	Hawken, Shawn Keith	OMealy, Kris Kent	Calef, John Edgar Milton
group11	Randolph, Mario Deontae	Young, Michael James	Lawrence, Paul Anthony

Prepare for the demo

Please load the following data into your program:

- All 5000 and 6000 level courses offered by our department. Create one section for each course for the Fall 2012 and Spring 2013, respectively. Course information can be found at http://www.mtsu.edu/csc/grad_course_desc.php.
- Create an account for at least 5 faculty members (one must be for Dr. Pettey, the chairman), and assign them to teach these sections.
- Create an account for GS
- Create an account for a graduate student (say David) who is one course short from graduation.
- Create accounts for three graduate students. Each of them was admitted in different years, has finished several courses, and assigned as advisees to different faculty members.

Operations to be performed during the demo in the given order

1. Create an account for an applicant.
2. Submit an application.
3. GS marks that the transcript and all recommendation letters have received.
4. Chairman review the application, and accept it.
5. The applicant checks his/her status
6. The accepted applicant is matriculated by GS, and he/she now officially a graduate student.
7. The applicant registered in 3 different classes.
8. At the end of the semester, instructors of these courses assign grades to the student.
9. David displays his transcript, applies for the graduation, and systems checks if he can graduate
10. Repeat the previous step after inserting the required course into the database directly.
11. David is clear for graduation, and the GS process his application. Now David is graduated and becomes an alumni.
12. Log in as David, and see what he can do.

Perform the following queries as the GS

1. Search for an applicant using their last name or student number.
2. Given the Semester, and year, generate the list of graduate applicants.
3. Given the semester and year, generate the list of graduating students (i.e., those cleared for graduation).
4. Given the semester and year, generate the list of alumni and their email address.
5. Generate total list of current students (by admit year).
6. Given a student's student number, generate the transcript (list of courses and the current GPA).
7. For a faculty advisor, generate list of all advisees.

Rubric of Evaluating Database Projects

Team Number: _____

		Score
EER diagram (10 points)	Specify all entity and relationship types as well as constraints.	____ / 10
EER-RM (10 points)	List table names and columns in each table. Specify primary key and referential integrity constraint.	____ / 10
SQL Statements to create RM (10 points)	Create table based on RM. Specify all constraints given in RM as well as new constraints, such as the value for Gender must be 'M', or 'F'.	____ / 10
Demo (70 points)	Each team must demo all functionalities that are evaluated here.	
Step 1		____ / 3.5
Step 2		____ / 3.5
Step 3		____ / 3.5
Step 4		____ / 3.5
Step 5		____ / 3.5
Step 6		____ / 3.5
Step 7		____ / 3.5
Step 8		____ / 3.5
Step 9		____ / 3.5
Step 10		____ / 3.5
Step 11		____ / 3.5
Step 12		____ / 3.5
Query 1		____ / 3.5
Query 2		____ / 3.5
Query 3		____ / 3.5
Query 4		____ / 3.5
Query 5		____ / 3.5
Query 6		____ / 3.5
Query 7		____ / 3.5
Demo process	No team members give suggestions, or make noise during the demo	____ / 3.5

Name and signature of the team member who gives the demo:

_____ (PRINT Name)

_____ (Signature)