**CSCI N431 Lab 4 Database Design**

**Overview**

Design and build a database for your course project. This can be first draft of your database design, but should reflect the majority of the business functionalities. Your database should include all the major tables with appropriate field types, correct primary key/foreign key relationships and must meet the 3rd normal form. Even if you have a group project, this database is your own design. Later group members will meet and collectively optimize and finalize the design.

**Requirements**

1. All the major tables are in the database. (10’)
2. Appropriate field types (including data type, length, null setting, default values if any, auto increment values) (10’)
3. Tables have some sample data or real data. (10’)
4. Correct primary key/foreign key relationship setting (20’)
5. Good naming conventions on table names and field names (10’)
6. Database design satisfies the 3rd normal form. (10’)
7. Create at least two views to reflect routine data retrieval. (10’)

**Submission**

1) Submit an ER diagram on Canvas (20’)

2) Provide your database username and password so TA can access your database.