**Final Project**

**Due Date: 11:59 pm, <date>, <year>**

Design and Implementation of a Database

Your project group has been asked to design and develop a database system (based on your selected topic.) For the final project, your group is asked to deliver a database design document.

For the database design document, your group needs to submit a technical report. **(Please see the technical report template.)**

**What to Turn In: Project Report (Team Submission), Teamwork Peer Assessment (Individual Submission)**

The technical report should include the following parts at least.

1. Cover sheet, table contents.

2. Background/Introduction

3. E/R Diagram

4. A listing of all of your project tables and their structure.

**(minimum of 5 tables): -100 if your project has less than 5 tables**

5. A description of each of your tables. Indicate the primary and foreign keys.

6. A brief description of

a. What normal form for the table is in,

i. How do you know that it is in that normal form?

ii. If your tables are not 3NF, convert the tables into 3NF.

7. Samples of data maintenance performed on the table.

**(minimum of 10 SQL): -100 if your project has less than 10 SQL commends**

**\* Your table creation SQL commands need reflect key constrains (Primary**

**and Foreign Keys) and modification policies.**

8. Samples of queries into your database to show off its retrieval power.

**Some of your queries should use JOIN.**

**(minimum of 20 SQL): -100 if your project has less than 20 SQL commends**

**Note: Please try to devise a realistic scenario for these actions, Don’t just put a bunch of nonsensical queries together.**