# COMP2222 Database Systems Spring 2023, Project Part#3 Due: June 9, 2023 23:50

Part III. GUI Design and Implementation, Schema Refinement, and Report

# Steps:

1. Run the attached SQL script to import a correct implementation of the database. **[script will be uploaded after due of Part#2 ]**
2. Design a graphical user interface that will connect to the database remotely to provide the services described in Part#2 to an end-user. The quality of your design will also be evaluated. (See below explanations)
3. Implement your design.
4. Write a brief report that explains the following:
   1. How is the GUI used? Add some sample screenshots to the report.
   2. Is the relational schema of your database in 2NF/3NF/BCNF?
   3. How would you improve this database? (There are some certain improvements needs to be done)
5. Demonstrate your work to your lab TA. NOTE: Projects that were not demonstrated will fail!!!

**Deliverables**: Project report and project source code (do not forget to comment your code). If you are using xampp, project sources can be found under xampp\htdocs folder.

# About GUI:

Basically, the GUI expected to support the queries in Project Part #2, including but not limited to the following:

In the home page, there will be links for instructors, students, departments, and projects.

The instructor should be able to see the courses s/he is teaching, weekly schedule, students of each course, the projects s/he is leading, projects s/he is working, the students s/he is advising, the graduate students s/he is supervising, display free hours report for the courses s/he teaching, the exams she delivered in a certain year/semester, the result list of a selected exam, ….

The students should be able to see if s/he is a graduate student or not, the course s/he is taking, the grade report, weekly schedule, advisor, the list of courses s/he is supposed to take, the department s/he is studying, if a graduate student, supervisor the list of projects s/he is working.

You may check the attached company database explorer as an example.

Note that, PHPMyAdmin and MySQL Workbench automatically creates many of the PHP scripts.

**“First, solve the problem. Then write the code.” John Johnson**