Concordia University
Dept. of Computer Science & Software Engineering
Comp 5531- Files And Databases
Main Project Guidelines & Marking Scheme

Title: A Simple database Application System for the health facilities
Reports Due: Tuesday April 11th, 2023 before 12:00 noon.
Demos: on April 12th, and 13th.
Maximum Mark: 12%

Important: For the main project, you must use the DBMS managed by the AITS to which you have been provided access in this course.

Distribution of Marks:

Tasks	Points
Conceptual DB Design (in E/R)	10
E/R to Relations Conversion	5
Normalization Process Details	5
Sample Test Data	5
Implemented Functionalities	60
Organization & Report	15
Total	100

Your project report should be submitted before your project demo and should include the following:

• Your team ID (assigned by Stan), Student ID and official name of every team member should clearly appear on the cover page of the report.

• A signed *originality* form.

• A section in the report with the title "CONTRIBUTIONS" in which it clearly describes the contributions of each team member to the project, that is, it describes who did what part of the project. It is expected that each member of the team has been responsible for and contributed to a fair part of the project. Please note that NOT every member of a team may get the same grade in the project, in particular when the participation and contribution by a member is "insufficient."

Your project report MUST contain:

1. Reasonable Assumptions made in the proposed database design or system.
2. E/R-Diagram (no UML diagram please).
3. E/R to Relation conversions and the functional dependencies of each relation, The primary key, and possible alternate keys.
4. Normalization (and possible decomposition) steps.
5. Functionalities implemented to satisfy the application requirements.

6. Trigger(s) used.
7. Possible additional features (if any) to complement the project description.

Guidelines for the demo:

Every member of your team MUST be present and participate during your project demo. Therefore, prepare to answer any question by the PODs during the demo regarding a part of the system for which a team member is responsible.

During the demo, you may be asked to formulate some queries based on the requirements. Using these queries, you can demonstrate features, performance, and the (required or additional) functionalities of your application system. The demo MUST be done in the LABs using the PCs and running the MySQL managed by the faculty AITS. Please note that while your application can run on our own laptops, but the PODs will evaluate and test your application by running it on a lab PC.

Any additional feature(s) that you might have implemented which exceeds the requirements should be introduced and presented during the demo, for possible additional 1 point as bonus.