

Concordia University  
Dept. of Computer Science & Software Engineering  
**Comp 353- Databases**  
**Main Project Guidelines & Marking Scheme**

**Title: A Simple database Application System for the COVID-19 Non-Profit Health Organization**

**Reports Due: Monday August 1<sup>st</sup>, 2022 before 12:00 noon.**

**Demos: on August 1<sup>st</sup>, and 2<sup>nd</sup>.**

**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 (E/R)	10
E/R to Relations Conversion	5
Normalization Process Details	5
Sample Test Data	5
Implemented Functionalities	60
Organization & Report content	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 Functional Dependencies, Primary key, and alternates.
4. Normalization (and possible decomposition) steps.

5. Functionalities implemented to satisfy the requirements.
6. Possible additional features (if any) included 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 for.

In the demo, you may be asked to formulate some queries based on the requirements. Using these queries, you can demonstrate the features, performance, and the functionalities of your application system. The demo **MUST** be done using the DBMS managed by the faculty AITS and the PCs in the lab. (It is not acceptable to run the system from your laptop, for instance).

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.