

UNIVERSITY OF MAURITIUS

ICDT1202Y - Database Systems

Guidelines for Mini Project

Students will form groups of 5 and will be expected to design a database application of their choice and implement it in SQL Server. The mini project consists of 2 parts:

1. Submission of a project report and the source code (with appropriate comments) on Google Classroom
2. Demonstration of the application - the time table will be shared by your respective lecturer in due course

The project report (maximum 20 pages) will contain the following:

- A detailed description of the database application implemented (1 - 2 pages)
- An Entity Relationship Diagram to better understand the data requirements of the system
- The process of Normalization up to Third Normal Form. The final list of tables for the database should be derived from normalization
- The final database design (Tables, Fields, Data Types, Relationships and Constraints specified for each table, field and relationship). Note that your database should consist of a minimum of 6 tables
- A brief description of procedures implemented, which reflect the functionality of the system. Note that procedures implemented should contain different levels of complexity and marks will be awarded according to the complexity of procedures and queries
- Use of appropriate triggers
- Relevant security measures implemented using DCL
- Any other design considerations

Students are advised to use appropriate naming conventions for table, field and procedure names.

The individual contribution of each group member should be clearly specified in the project report and marks will be awarded on an individual basis.

Deadlines:

- Project Report Submission: **Week 9**
- Presentation: **Week 11**