School of EEECS

Database Systems

Assignment: Individual Database Design Report

You should produce a report detailing and justifying your chosen database design. The report should be fewer than ten pages in length. I am much more interested in a slightly shorter well thought-out submission, rather than lots of waffle.

While you have designed the database as a group, I am interested in **your** justifications for the design decisions made. For instance, if you don't agree with your group's final database design, then you should highlight the problem areas and propose sensible improvements.

The content of the report is up to you, however, as a guide, I would expect you to include at least the following:

- An overview of the database design ER diagram (if you wish to include multiple diagrams, you may include these in the appendix which will not be counted as part of the page limit);
- Information on the primary keys;
- Information on the foreign key constraints between tables;
- A discussion and justification for some of the important design decisions you made;
- A discussion and justification for some of the important normalisation decisions you made;
- A discussion and justification for some improvements you might make to the design;
- A discussion and justification for a database (Business Intelligence) report that you could create, along with the proposed SQL for the report.
- Evidence of some of your SQL create and insert scripts (these can simply be pasted into the appendix)

The report is essentially a wider extension of the work you need to compete for your viva. You are welcome to re-use content prepared for your individual viva.

It is my general expectation that the diagrams you will include in your report will be created on a computer. However, if you wish, you may also include scanned/photographed images of your early draft database design diagrams.

The submission date for this assignment is 9am on Monday 27th November 2017. Please submit your report using the assignment tool on QOL. Your report should include a copy of the 'Declaration of Academic Integrity' form (which is not included in the page count). You may type your name in the "Student's signature" area of the form. You must submit only a single document, which will contain the Declaration of Academic Integrity form, your report and the appendix. This document must be in **PDF format**.