**Assignment 4 – COMP214**

Weight: 15% of final grade

Create database back-end functionality for an application, for example and e-commerce solution, an insurance quotation calculator, etc.

1. Deliverables

Script file (.sql file) which should contains all the commands to create the above tables, sequences, indexes, triggers, procedures and functions when it is executed.

Note: Create a script to run samples of your functions, procedures and triggers, etc.

2. Contents of your Database: (to be included in the script file)

- Tables (data, lookup, audit/log tables)

– Minimum – 5 and Maximum 10. You can think and build these tables according to web application project (COMP229) or as an independent database project if you are not taking course – COMP229 in this term.

3 marks

- Sequences

- You need to create at least one sequence and use it especially for those tables that are updated

2 marks

- Indexes

- Search is common functionality performed on tables. You need to create few indexes

for those tables where search is performed heavily.

2 marks

- Triggers

- For behind the scenes table entry/updating, you need to create at least 2 triggers

2 marks

- Procedures

- You need to define at least two procedures so carrying out common operations on database.

4 marks

- Functions

- You need to define at least one function so carrying out common operations on database.

2 marks

You must also include a copy of your project on oracle1 with the group schema

Note: There should be minimum ten records (10 insert statements for data tables) and five records (for reference/lookup type tables). You should be populating your tables with meaningful data.

**Due August 16 at 11:30 PM**