**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.

                            More info about them can be discussed in the class.

4 marks

- Functions

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

2 marks

            More info about them can be discussed in the class.

                        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.*

 Your project covers most of the required items. But you have not created a script to run samples of your functions, procedures and triggers. Also you did not submit the oracle database exported file.

Bottom of Form

Top of Form

 Due August 15 at 11:59 PM

Bottom of Form

**Assessment**

**Grade**

12 / 15 **A**