Assignment / Assessment Specification

Module Information			
Title System and Database Administration	**ECTS Credits** 5	**Lecturer** Patricia O'Byrne	**Class group** DT211C/4

Assignment		

Name Assignment 6 Partitioning, Auditing and recovery	**Worth[1]** 8% of the module marks		**Due date/time** 26/02/2018 12:59 (before lab)
Submission mechanism *(Only submit through mechanisms listed here – other submissions will be ignored)* Journal on webcourses; demonstrate in lab.	**Group / individual** INDIVIDUAL	**Average hours[2]** 8 hours	**Late submission penalty** No late submission without PC1 form.

Description of task:

- Auditing:
    - Set up an audit trail that audits your database administrator.
    - Set up fine-grained auditing on one of your users; Run some queries as the user and check the audit report.
- Partitioning
    - Download the script to set up tables from webcourses.
    - Set up new tablespaces for your partitioned tables.
    - Create tables with range, hash and list partitions and combinations of these, to show your understanding of partitioning.
- Backup and Recovery
    - Do the practical on configuring for recovery. If you have restricted space, there is no need to turn on archiving, but investigate what it does.
- Write up your experience in the Case Study Journal (see https://www.hamilton.edu/writing/writing-resources/journal-writing for advice on writing a journal).

DO:

- Use multiple sources for your guidance, taking note of them.
- Double check any 'quick fix' that you see on a website before you use it. **AVOID:**
- Copying! Plagiarism rules will apply. Students who plagiarize will get a value of zero and may face disciplinary action.

Submission requirement

- Demonstrate your VM to lecturer in lab time. You must have it with you.
- Write up your experience in your Case Study Journal

Demo requirement

Demonstrate your VM to the lecturer in lab time.

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[1] As a percentage of the module marks.

[2] This is the average amount of time that should be <u>meaningfully</u> spent by a student who has fully engaged with the module, and has done all exercises and recommended reading**. It does not include download and install time.**