Regis University SPS
MSCIT & MScSIS Programs
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MSCD640 & MCT615
Course Project: Install, Create and Configure a Database

The final course project is intended to demonstrate the skills that have been learned during the course. It should be accomplished over the duration of the course, and is due at the end of week 7.

The student will download and install the Oracle10g Release 2 Enterprise Edition software (10.2) on a home computer, and develop an "Installation and Configuration Manual" complete with detailed screenshots and explanations. This manual will show how the software is installed, and how a new Oracle database is created. The DBCA (Database Configuration Assistant) tool may be used to develop the scripts, but the scripts must be run manually in order to create the database (as opposed to having the DBCA run the scripts automatically). The student will explain what type of database is to be created (OLTP, OLAP, hybrid, etc.), and then defend and explain the reasons why the different parameters were chosen.

Deliverables:

1. a 300 – 500 word abstract (double spaced, 12 point font) that answers the following questions about your hypothetical business case:
    a. The name and nature of the business
    b. Scope and size of the business
    c. Description of the business model (i.e. how does it make money? Or does it?)
    d. Description of the customers and products or services
    e. Current state of the business where a database might improve the business. (what is the business problem the company has?) The student will be creating a new database to solve this need.
2. The "Installation and Configuration Manual", a Word document, complete with screenshots, showing the following:
    a. The steps involved to download, install and configure the Oracle 10g Release 2 Enterprise Edition software.
    b. The steps involved to create and run the appropriate scripts to create a new database.
        i. This database should be tailored to suit the specific need of the business. Explanations should be provided for the different parameter settings for the database.
3. All of the scripts that are run, including parameter files (spfile) should be attached as an appendix.

If the student does not have the necessary resources (hardware, network) to accomplish this project, other possible projects can be proposed and discussed.