

# CMPT 354 –Database Systems I (Section D100)

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## Assignment #5

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Total Marks: 50 (5% of the Individual Assignments)

Due Date: Oct 14, 14:30

For all questions, use the AdventureWorksLT database.

**Question 1)** Using Visual Studio 2010, write a small application that allows for the creation, deletion and update of products in different product categories. The application should:

- Allow for the selection of a product category from the list of categories read (during run-time) from the database. This should be presented to the user as a drop-down field, along with a count of products in that category also shown. [10 marks]
- After the user has selected a category, give them the ability to add new products to that category. The user will have to fill in, for each product being added, the details which are required according to the database schema. [10 marks]
- Let the user select a product from the category. For the selected product, let the user
  - o Make and save changes to the details of the product. Use the UPDATE command for this, do not decompose the UPDATE into DELETE then INSERT commands. [15 marks]
  - o Delete the product [5 marks]

Please pay attention to the style of the application (clean interface, etc), commented code and usability [10 marks].