eStuff B Gone!

#### Objectives:

1. Select data from tables using queries.
2. Create and use SQL views
3. Insert, Update, and Delete data using DML.

Requirements:

Use Lab2B.SQL to create the tables and populate them with data. You may want to add or change the data to fully test your queries.

1. Write the following queries:
   1. Select the full name and city for the customer with customer ID of 2. Show first name and last name as one column. (1 mark)
   2. For all staff, select the staff first name, last name, and the number of consignments they have. (3 marks)
   3. Select the minimum Category Cost. (1 mark)
   4. Select the customer first name and last name for all customers whose total consignment subtotals are more than $100.00. (3 marks)
   5. Select all the staff full names with the customer full names of the consignments they have worked on. Include staff that have not worked on any consignments (3 marks)
   6. Select the first name and last name of all the staff whose last name starts with ‘P’, ‘B’, or ‘J’. (1 mark)
   7. Select the amount of money that was made each month for the previous calendar year. Show the month name and amount. List the months in chronological order by month. Do not include GST in the totals. (3 marks)
   8. Select the staff type descriptions of the staff types that have no staff in them. (2 marks)
   9. Select the category description of the category that was used the most number of times. You must use at least one subquery in your answer, and the TOP clause is not acceptable anywhere in your solution. (4 marks)
   10. Select the full names of all the people in the database whose lastname is between 4 and 7 characters long. (2 marks)
2. Views
   1. Create a view called CustomerSummary that contains customer ID, first name, last name, and the descriptions of the items they are selling. Assume all customers have at least one item on consignment. (2 marks)
   2. Using the CustomerSummary view select the customer ID, full name, and the number of items they have on consignment. (2 marks)
3. DML
   1. Insert the following records into the staff table given the following data, and do not hard code any values not given.

(1 Mark)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| StaffID | FirstName | LastName | Active | Wage | StaffTypeID |
| 231464 | Tim | McGraw | N | 27.00 | 2 |

(2 Marks)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| StaffID | FirstName | LastName | Active | Wage | StaffTypeID |
| 456585 | Otis | Redding | Y | The average wage of all other staff | 3 |

* 1. Increase the discount percentage by 4 of any reward whose description includes the word “Customer”. (2 marks)
  2. The human resources department is getting a raise! Increase the wage of all the HR staff by 12%. (3 marks)
  3. Remove all the staff types that have no staff. (2 marks)

**Submission Requirements**

Your lab submission will include the following:

* A single script file called “Lab2B\_LastName\_FirstName.sql” that contains a clearly commented batch of statements for each requirement. Each batch will contain the SQL statement(s) required to complete each question. Do NOT include anything else (test data, random comments, etc.) in your submission.
* An electronic copy of your Lab (not compressed) will be submitted to Moodle
* Please send an email to your instructor with a **short** discussion about the lab including:
  + What you liked/disliked about the lab
  + How long it took you to complete the lab
  + How prepared you felt you were for the lab
  + Recommendations for future labs (if any)
  + If there are any known errors in your solution, please identify them in your discussion
* Any additional requirements as specified by your instructor.

**Other Considerations**

Do not make assumptions. If you have questions, ask your instructor. This is not a group project. Working with another student on lab material will result in a grade of **zero (0)** for this lab. Up to 3 Marks may be deducted for incomplete lab submission requirements.

ERD

