

# Lab Six Instructions

## Objective

The purpose of this lab is to work with SQL Server queries.

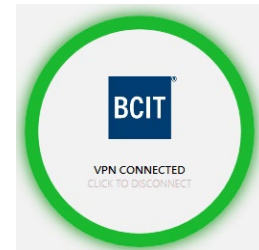
## Details

Create a new Visual Studio C# .NET 5.0 Console project named COMP3602Lab06.

Create a program that displays items like the Assignment 04 project. You will replace the data from the csv with queried data from a remote SQL Server database.

Connect to the BCIT VPN to have access to the database server.  
Use ADO.NET to connect to the server specified:

```
Server=tcp:BUNKER3.EDU.BCIT.CA,1433;  
Initial Catalog=TigerDB;  
User ID=tiger;  
Password=T1gerM@ster;  
Encrypt=True;  
TrustServerCertificate=True;  
Connection Timeout=30;
```



Use a query to retrieve grocery item data. Note that there is no appliance item data in the database, only grocery items. Use the table specifications below to aid in creating, executing, and processing your query.

dbo.GroceryItem
Columns
GroceryItemId (PK, int, not null)
Description (nvarchar(38), not null)
Sku (nvarchar(12), not null)
Price (decimal(17,2), not null)
ExpirationDate (datetime, null)

You should be able to reuse the Item, GroceryItem, ItemList and UI class from your Assignment 04 project, adding a GroceryItemRepository class for data retrieval.

```
COMP2614 Assignment 04 A00999999

Natural Order:
Item                                Price    Expires
-----
4L Milk                            3.87     Sat Mar 14, 2020
500g Cottage Cheese                4.28     Mon Mar 9, 2020
1 Tin Mushroom Soup                0.99     <Never>
15kg Dog Food                      28.99    Fri Feb 19, 2021
5 kg Wild Rose Rice                15.99    <Never>
Sushi Special A                    6.99     Fri Feb 28, 2020
Kebab                              10.00    Thu Mar 5, 2020
-----
Total:                             71.11

Sorted Order: [Price Descending]
Item                                Price    Expires
-----
15kg Dog Food                      28.99    Fri Feb 19, 2021
5 kg Wild Rose Rice                15.99    <Never>
Kebab                              10.00    Thu Mar 5, 2020
Sushi Special A                    6.99     Fri Feb 28, 2020
500g Cottage Cheese                4.28     Mon Mar 9, 2020
4L Milk                            3.87     Sat Mar 14, 2020
1 Tin Mushroom Soup                0.99     <Never>
-----
Total:                             71.11

Press any key to continue . . .
```

Please Hand In:

- 1) Zip your entire project and submit the zipped file to Lab06 in Learning Hub.
- 2) Lab is due on the day before next week's class @ 11:59 PM.

Lab solution code will be available under Week06\In Class once you have submitted.