

## Assignment Four Requirements

**Assignment Date:** Week 6

**Due Date:** Week 7

### Assignment Objective

The purpose of this assignment is to query a table on a remote SQL Server, process and display the data in a formatted manner.

Note that this is the last console-based assignment—all remaining assignments will be Windows Forms projects.

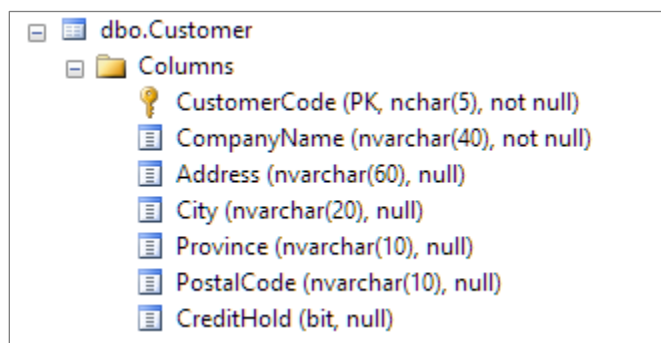
### Your Task

Use ADO.NET to connect to the server specified:

```
Server=tcp:comp2614.database.windows.net,1433;  
Initial Catalog=mc1730;  
User ID=student;  
Password=93nu5#S163;  
Encrypt=True;  
TrustServerCertificate=False;  
Connection Timeout=30;
```

Use a query (distinct) to get the Province codes to populate the selection list. This list should be data driven, not static so it would automatically include new provinces from added records.

Use a second (parameterized) query to retrieve the Customer data. Use the table specifications below to aid in creating, executing and processing your query.



Design your solution using the sample code for guidance. Generate Console output like the screenshot below:

```
C:\WINDOWS\system32\cmd.exe
Select province filter:
    1: AB
    2: BC
    3: ON
    4: SK
    5: ALL
2
Customer listing for BC

CompanyName          City          Prov Postal  Hold
-----
Bottom-Dollar Markets    Tsawassen    BC   V2R  7A6  N
Island Trading           Victoria     BC   V2R  4T3  N
Laughing Bacchus Wine Cellars    Vancouver    BC   V3F  2K1  N
Lazy K Kountry Store      Kamloops     BC                      N
Magazzini Associates      Nanaimo      BC   V6G  6T5  N
Pacific Hatcheries Ltd.    Tofino       BC                      N
Reggiani Foods Inc.       Vancouver    BC   V2R  7A6  N
Trail's Head Gourmet Provisioners    Burnaby      BC   V0N  5D2  N
White Clover Markets      Surrey       BC   V3G  2K4  N
```

For all your code, be sure to:

- Comment your code intelligently (no need to comment the obvious)

Please Hand In:

Zip your entire project and upload the zipped file to the Assign04 Dropbox on D2L