Assignment Five Requirements

Assignment Date: Week 6
Due Date: The day before next class @ 11:59 PM

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

Create a new Visual Studio C# .NET Framework Console project named COMP2614Assign05. Use ADO.NET to connect to the server specified:

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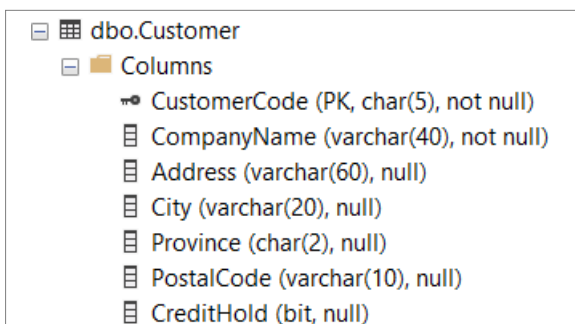Initial Catalog=TigerDB;
User ID=tiger;
Password=T1gerM@ster;
Encrypt=True;
TrustServerCertificate=True; Connection
Timeout=30;

Use a query (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.

```
☐ ▦ dbo.Customer
   ☐ ▉ Columns
        ⌐® CustomerCode (PK, char(5), not null)
        ▤ CompanyName (varchar(40), not null)
        ▤ Address (varchar(60), null)
        ▤ City (varchar(20), null)
        ▤ Province (char(2), null)
        ▤ PostalCode (varchar(10), null)
        ▤ CreditHold (bit, null)
```

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

```
COMP2614 Assign05 A00999999
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
```

Note that this time the actual data may be a bit different, the screenshot is demonstrating the formatting.

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 Assign05 Folder in the Learning Hub.

Marking criteria (25 Marks Total):

- Main Query (6 Marks)

- DataReader – casting and validation (6 marks)

- Province pick list – correct choices (5 Marks)

- Output (6 Marks)

- Coding style (2 Marks)