Assignment Six Part A Requirements

Assignment Date: Week 8
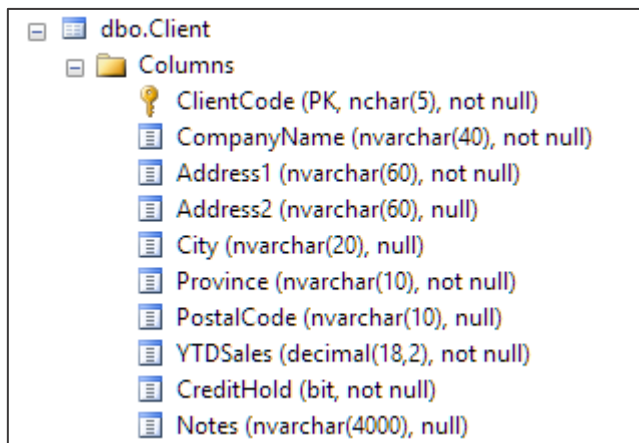**Due Date:**   Week 12 (All Parts)

Assignment Objective

The purpose of this assignment is to query a table on a remote SQL Server, process and display the data in a Windows Form. This assignment serves as the starting point of a larger project. (More details in the coming weeks)

Your Task

1) 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;
   ```
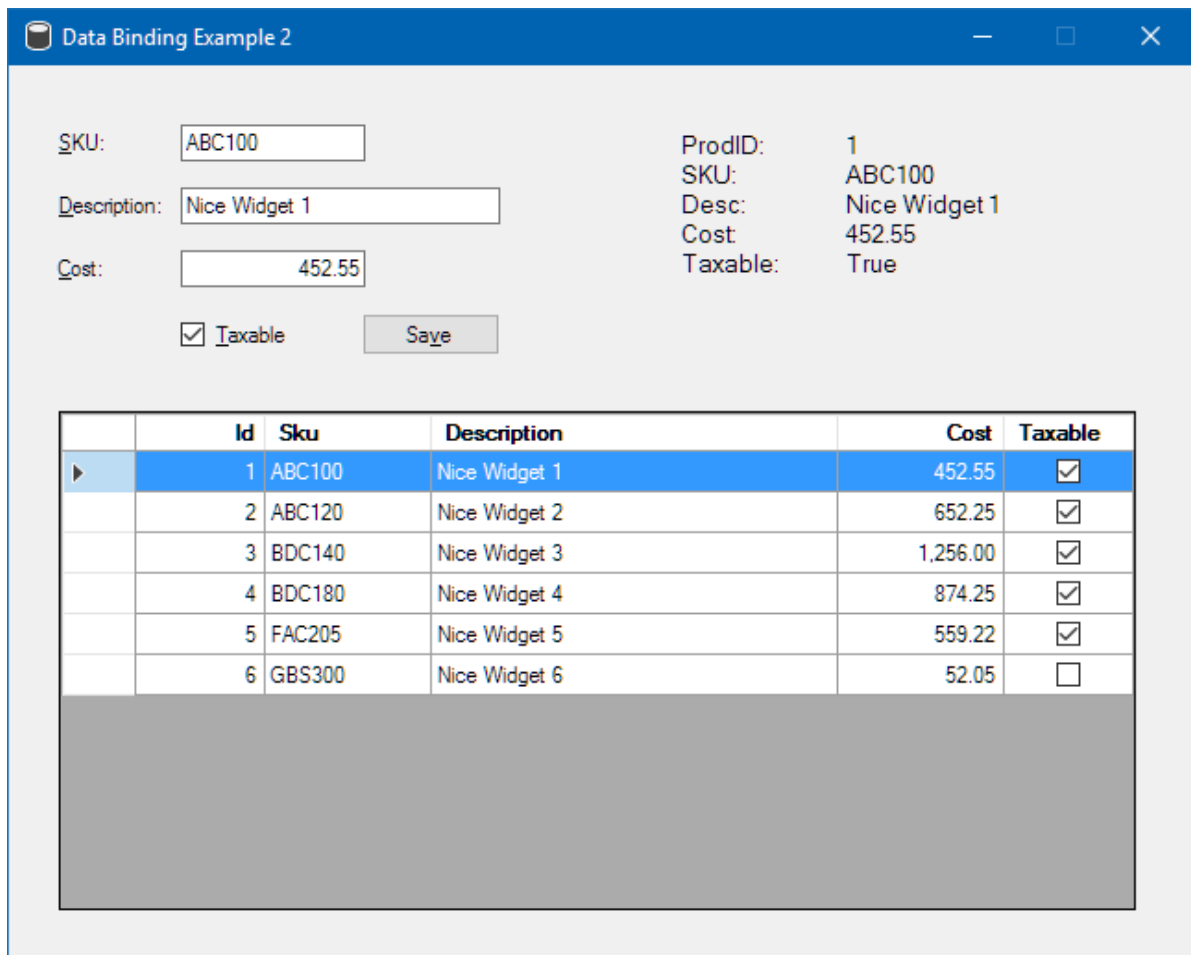
2) Create a repository class and add a query to retrieve all the data from the Client table. Use the table specification below to aid in creating, executing and processing your query.

   - ▦ dbo.Client
     - 📁 Columns
       - 🔑 ClientCode (PK, nchar(5), not null)
       - ▤ CompanyName (nvarchar(40), not null)
       - ▤ Address1 (nvarchar(60), not null)
       - ▤ Address2 (nvarchar(60), null)
       - ▤ City (nvarchar(20), null)
       - ▤ Province (nvarchar(10), not null)
       - ▤ PostalCode (nvarchar(10), null)
       - ▤ YTDSales (decimal(18,2), not null)
       - ▤ CreditHold (bit, not null)
       - ▤ Notes (nvarchar(4000), null)

3) Create an appropriate data and collection class to store the results of the query.

4) Build a UI to display the Customer data. Use the UI design from the DataBindingExample project as a guide to building your UI.

5) Create a ViewModel class to provide data binding to all the UI elements.

6) Write the data out to labels in the UI when clicking the Save button (like the DataBinding example). Later on, clicking the Save button saves data back to the database.

Please Hand In:

Zip your entire project and upload the zipped file to the Assign06 Dropbox on D2L (**In Week 12**)