**Homework 7**

**Due Thur, Oct 27**

**(15 pts)**

**You can do this in teams of 2 people**

Set up:

* In SqlServer, create an empty database named “Sales”.
* You can use Ch07\_SaleCo to create/populate the database. However, you need to first modify it to add a column named P\_ID to the PRODUCT table that will be an integer IDENTITY field (so it will be auto-numbered). P\_ID should be the first column in the table.
* Create a C# Console project. Add the Dapper library to the project. Add sources files as necessary for each of the questions below (one class per source file). DO NOT use my “examples” project for your project. Make sure your names for everything in your code make sense.

Using the same techniques illustrated in the “DapperJoin” example, write methods (and a main) to do the following:

1. Write a method that, given a particular P\_Code, returns a Product object. main() should show the product information along with the name, contact person, and state of the vendor that supplies that product.
2. Same as above, except the method should return a list of products instead of just one specific product. main() should show the same information as above, for every product in the list. NOTE: Some products do not have a vendor; these should be omitted from the list returned by the method.
3. Write a method that, given a particular vendor code, returns a Vendor object. The Vendor object should contain a list of all Products supplied by that vendor. main() should show that vendor’s information, along with the description of all products produced by that vendor.
4. Same as above, except the method should return a list of all vendors, not just one. The list of vendors returned should not include vendors that don’t currently supply any products.

**Turnin:**

* Make sure your name(s) is at the top of the Program.cs
* Build…clean your project.
* Zip up the entire solution folder; put the zip file on a google drive. Share the google folder with me.
* Create a Word file containing the path to the google drive. Submit the Word file only (not the zip) to bboard.