**LINQ-HW2-2016 Homework**

This is an “easy” homework, as you have a working project that you just need to target to other data, and display other data. But since writing LINQ queries, using Associations, and getting row pointers from the DataGridView is all new, it might take you a while.

Start with the LINQ-BirdsHW-2018.zip project, and make sure it works for you. You will have to update the connection string value in App.config. It is a program that we went over in class.

Now delete the previous dbml, as we are going to use the Northwind database.

Add a new **Linq to SQL class**, call it **Prod-Cat-DataClass.dbml** then connect to your Northwind database and drag in the Products and the Categories tables. Save your new dbml

Now edit your Form1.cs code. The goal is to have a form that shows data from those 2 tables, and lets you update the UnitPrice for any product.

Remove the reference to the old dbml and add instantiate a new data context (dbml) with the one you just created.

Modify the existing LINQ query, **using Association**, *not an inner join*, to get

CategoryName from Categories table

Description from Categories table

ProductName from Products table

UnitPrice from Products table

ProductID from Products table

Limit the query to only get records (objects) where the UnitPrice > 40

Display this in the dataGridViewBirds (you don't have to change the name of the dataGridView)

**Just for now**, comment out the ***contents*** (leave the call with the opening and closing { } ) of the existing buttonUpdateCount method, and get your code to work. Modify the text displayed on the form to make more sense.

Getting this to work is 5 of the 10 points.

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For the other 5 points, un-comment out that update code, and get it to work.

Modify the buttonUpdateCount\_Click event method so that a user can select any row in the datagridview, enter a new price in the textbox, and then click the update button and update the UnitPrice. Note that the prior code was using an int, since the UnitPrice is money, you must use a decimal instead.

Here is a screenshot of my program, just before I update the price of an item from $81.00 to $82.50:

