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CPT206-A80S

Code Review of James Fowler Lab1

The code did not compile, when I tried to run it it gave me this message: System.Data.SqlClient.SqlException: 'A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: SQL Network Interfaces, error: 50 - Local Database Runtime error occurred. Cannot create an automatic instance. See the Windows Application event log for error details.

The code is readable and spaced out to see better, I personally document every line so I do not forget how everything works but this code is pretty self explanatory. Some specific improvements I think that could be made is line 40 where product.Description.ToLower().Contains(productDescription.ToLower()) there is a lot of ToLower() and am confused what this does exactly and the author should put a description of what this does.

I think where you created the datacontext in each method seemed like it could be factored out by using one datacontext after the form1 initialization instead of every method without putting new contexts in each one

I can not run the code but line 22, 40, 60, 61, 77, and 78 I am not sure if they would error handle correctly if you put in a bad value so say if you put in a number in the “search description option” since it will Accept all values there will more than likely be a problem. Vic versa for the “search product number” option putting in text when the user should put in numbers it will also give you an error.

To fix some of the problems I encountered in line 23 I would throw the LINQ statement to a if statement checking if there was 1st anything entered at all and a 2nd if statement containing filling the datasource if it outputs any “results” to the variable and checks “if (results.Any())” and should fix problems. Same goes for units on search and min/max price searchs button, and for this I personally put a tryparse statement to error handle the the user input. I am not sure if the Convert.ToDecimal will error handle correctly.

The framework and existing code was used appropriately.

The one thing that differed from mine is that he has a binding navigator which I am not sure if it works without it running but seems neat if you want to flip through the datagrid values.

I think I prefer my approach mainly because it makes more sense to me, but I do like how neat the code was and all the code is in each respective action