

Lab Eight Instructions

Objective

The purpose of this lab is to practice working with data binding;

Requirements

Open the example project `DataBindingDemoF` and perform the following revisions:

1. Add a property named `SellPrice` to the `Product` class and modify all the code necessary to support this additional field.
2. Add a property named `Quantity` to the `Product` class and modify all the code necessary to support this additional field.
3. Add a calculated property named `ExtensionPrice` to the `Product` class and modify all the code necessary to support this additional field.
4. Add the following calculated properties to the `ProductList` class to support aggregate calculations:
 - 1) `SubTotal`
 - 2) `TotalPst`
 - 3) `TotalGst`
 - 4) `Total (SubTotal + TotalPst + TotalGst)`
5. Update the UI to accommodate the new fields. Pay careful attention to things like keyboard navigation, tab order and numeric formatting.
 - 1) Ensure that the `Extension` control is both read-only and disabled (greyed out)
6. Make the form resizable. Make these changes:
 - 1) Update the `FormBorderStyle` property to `Sizable`
 - 2) Set a minimum size for the form
 - 3) Set the `MaximizeBox` property to `true`
 - 4) Update controls to be anchored appropriately so the form resizes as expected.
 - 5) Make sure that the description field is the column that expands and shrinks when the form is resized.
7. Sample screenshot:

Data Binding Example

SKU: Total Cost: 855,994.51
Description: SubTotal: 907,795.20
Quantity: PST: 218.69
Cost: GST: 310.78
Price: Total: 908,324.67
Extension:
☒ Taxable

	Id	SKU	Description	Quantity	Cost	Taxable
1	ABC100	Nice Widget 1	10	452.55	<input checked="" type="checkbox"/>	
2	ABC120	Nice Widget 2	5	652.25	<input checked="" type="checkbox"/>	
3	BDC140	Nice Widget 3	132	1,256.00	<input checked="" type="checkbox"/>	
4	BDC180	Nice Widget 4	62	874.25	<input checked="" type="checkbox"/>	
5	FAC205	Nice Widget 5	1,123	559.22	<input checked="" type="checkbox"/>	
6	GBS300	Nice Widget 6	4	52.05	<input type="checkbox"/>	

Count: 6

Please Hand In:

- 1) Zip your entire project and submit the zipped file to Lab08 in the Learning Hub.
- 2) Lab is due on the day before next week's class @ 11:59 PM.
- 3) Lab solution code will be available under Week08\In Class once you have submitted.