## Exercise 5 – Data Templates

* What you'll learn
  + How to create a data template for items in a ListBox
* Stuff to Know
  + Set ItemTemplate property of ListBox to DataTemplate
  + Within DataTemplate, data context is the selected object
  + You can place controls in a Border element to draw a border around contained items
  + In Border, set BorderBrush to color, BorderThickness to value

### The Exercise

* Start from existing project: Exercise\_5\_DataTemplate or your previous project
  + The project includes Person and ViewModelBase classes that you'll use
* Steps
  + Create a main ViewModel that has a People property, a list of Person objects
  + Initialize the People property to contain a few Person instances
  + Bind a ListBox to the People property, so that the list contains your sample data
  + Modify the ListBox's item template
    - Define several text elements within a Grid or StackPanel(s)
    - Bind each element to properties in the Person - First and last name, birth and death year
    - Format the elements in whatever way seems natural
      * Use properties like FontWeight, FontStyle, FontSize, Foreground and Background
    - Put all of this in a Border element, setting the border's color and thickness
* Extra Credit
  + Create a read-only string-based property in the Person viewmodel that returns birth and death date as a single string. Bind to this composite property instead of separate Birth and Death properties.