## Structure of MVVM

##### **Models**

###### **Class - PersonModel**

|  |
| --- |
| public class PersonModel  {  public string FirstName { get; set; }  public string LastName { get; set; }  } |

##### **ViewModels**

###### Class ShellViewModel

1. **Bind Class Property using Observable Collection with respective combo box**

|  |
| --- |
| public BindableCollection<PersonModel> People  {  get  {  return \_people;  }  set  {  \_people = value;  NotifyOfPropertyChange(() => People);  }  } |

|  |
| --- |
| <ComboBox x:Name="cboFN" Grid.Row="3" Grid.Column="1" ItemsSource="{Binding Path=People}" DisplayMemberPath="FirstName"></ComboBox>  <ComboBox x:Name="cboLN" Grid.Row="3" Grid.Column="2" ItemsSource="{Binding Path=People}" DisplayMemberPath="LastName"></ComboBox> |

###### **Binding class property with control name property**

|  |
| --- |
| <TextBox x:Name="FirstName" Grid.Row="2" Grid.Column="1" MinWidth="100"></TextBox> |

###### **Binding class property<PersonModel> with control name having object\_property name**

|  |
| --- |
| <TextBlock Grid.Row="3" Grid.Column="2" x:Name="SelectedPerson\_LastName" MinWidth="100"/> |

###### **Button should be enabled/disabled with respect to textbox clear text**

###### **class FirstChildViewModel**

###### **class SecondChildViewModel**

##### **Views**

###### **WPF Page Back End - ShellView.xaml.cs**

###### **FirstChildView.xaml**

**Task - 1 - Using MVVM Design Pattern**

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| --- |
| **Step 1 - Create a Class having two property - FirstName, Last Name - Model**  **Step 2 - Using One Observable collection to bind model class - ViewModel**  **Step 3 - Take Two ComboBox and display Firstname and LastName in comboboxs respectively - View - max 15 min** |

**Task - 2 - Using MVVM Design Pattern**

###### **Binding class property<PersonModel> with control name having object\_property name**

**Task -3 - Using MVVM Design Pattern**

###### **Button should be enabled/disabled with respect to textbox clear text**

##### **Task - 4 -**

###### **Bind list into radiobutton through valueconveror**

**Task - 5**

**Two Radiobutton - Dark , Light**

**Create combobox and bind with values**

**Dark theme - Background Dark , Foreground white and vice versa using stylesheet**

**Task - 6**

**Two Radiobutton - Dark , Light**

**Create Tree and bind with values**

**Dark theme - Background Dark , Foreground white and vice versa using stylesheet**

Task - 7

Docking Related Task