# Practice

**Windows Programming Course**

# Practice 01 (10/10/2020)

**Objective:** Practice WPF controls.

**Steps:**

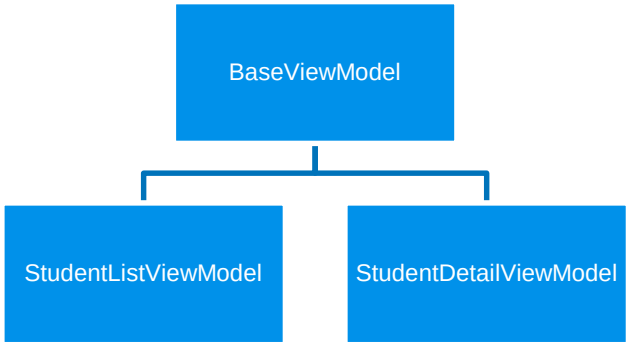
- Install tools: Visual Studio, Git.
- Read and Clarify FinalExercise_SIM_tool.pdf
- Follow the mockup sections, Implement layout for 2 windows Students List and Student Creation/Modification by using StackPanel and Grid layout controls in the lesson 08 WPF and basic controls such as Textbox, Button, DataGrid/ListView, Menu.

# Practice 02 (17/10/2020)

**Objective:** Implement VM for windows.

**Steps:**

- Create VM for 2 windows Students List and Student Creation/Modification.
- Implement notification by deriving the INotifyPropertyChanged interface for both VMs. In order to avoid code duplication, create a base class for 2 VMs:



# Practice 02 (17/10/2020) (cont.)

**Steps:**

- Hook up VM and View and bind control's properties to VM's Properties. For DataGrid/ListView, bind ItemSource of the control to an ObservableCollection in VM.
- Create RelayCommand (Copy code from slide Sample RelayCommand in the lesson 10).
- Create/Implement commands in VM for buttons: Search, Reset, Save, Cancel, menu "Create Student".
- Implement validation for the dialog Student Creation/Modification by deriving the IDataErrorInfo interface.