

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes. Some nodes are solid blue circles, while others are white circles with blue outlines. The nodes are connected by thin, light gray lines, creating a dense, organic structure.

Practice

Windows Programming Course

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It consists of a cluster of nodes connected by lines. Some nodes are solid blue, and others are white with blue outlines, all set against a light gray background.

Practice 01 (10/10/2020)

Objective: Practice WPF controls.

Steps:

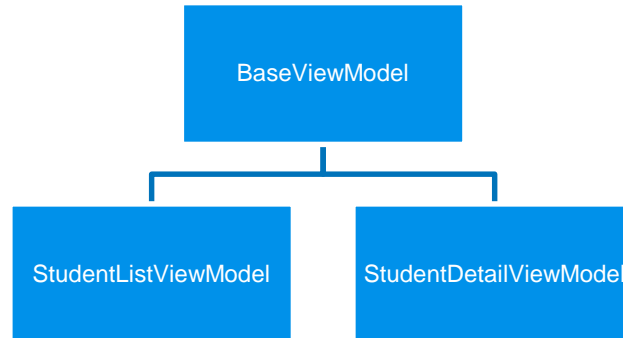
- ① Install tools: Visual Studio, Git.
- ① Read and Clarify [FinalExercise SIM tool.pdf](#)
- ① Follow the mockup sections, Implement layout for 2 windows Students List and Student Creation/Modification by using StackPanel and Grid layout controls in the lesson 08 WPF and basic controls such as Textbox, 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:

- ① 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.
- ② Create RelayCommand (Copy code from slide Sample RelayCommand in the lesson 10).
- ③ Create/Implement commands in VM for buttons: Search, Reset, Save, Cancel, menu "Create Student".
- ④ Implement validation for the dialog Student Creation/Modification by deriving the IDataErrorInfo interface.