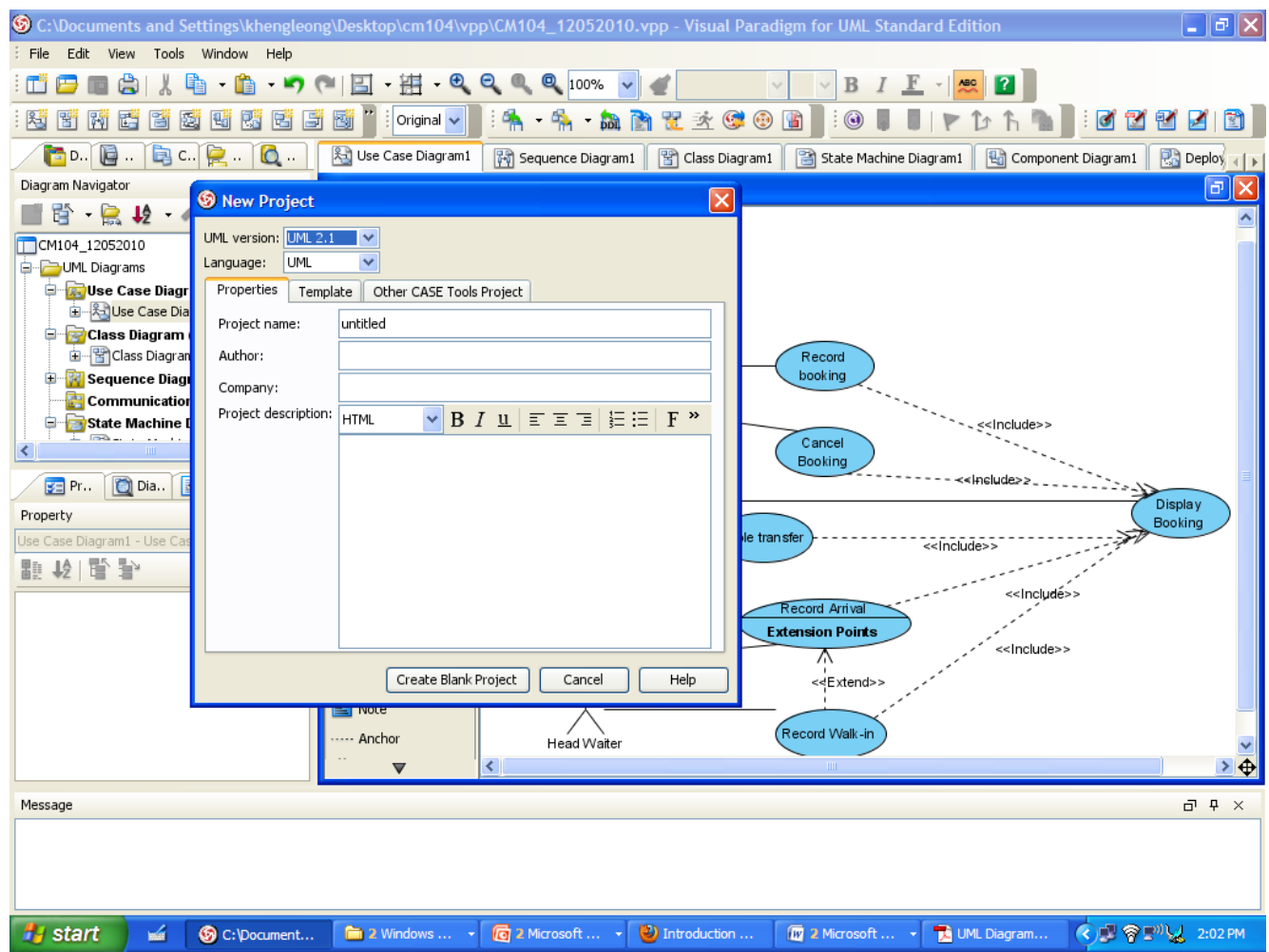


## Introduction to Visual Paradigm

This is not a user guide for Visual Paradigm but provides some relevant steps in creating the diagrams. Though the version may be different, the general ideas of the steps mostly still applies. Steps used in one diagram may be applicable to other diagrams as well.

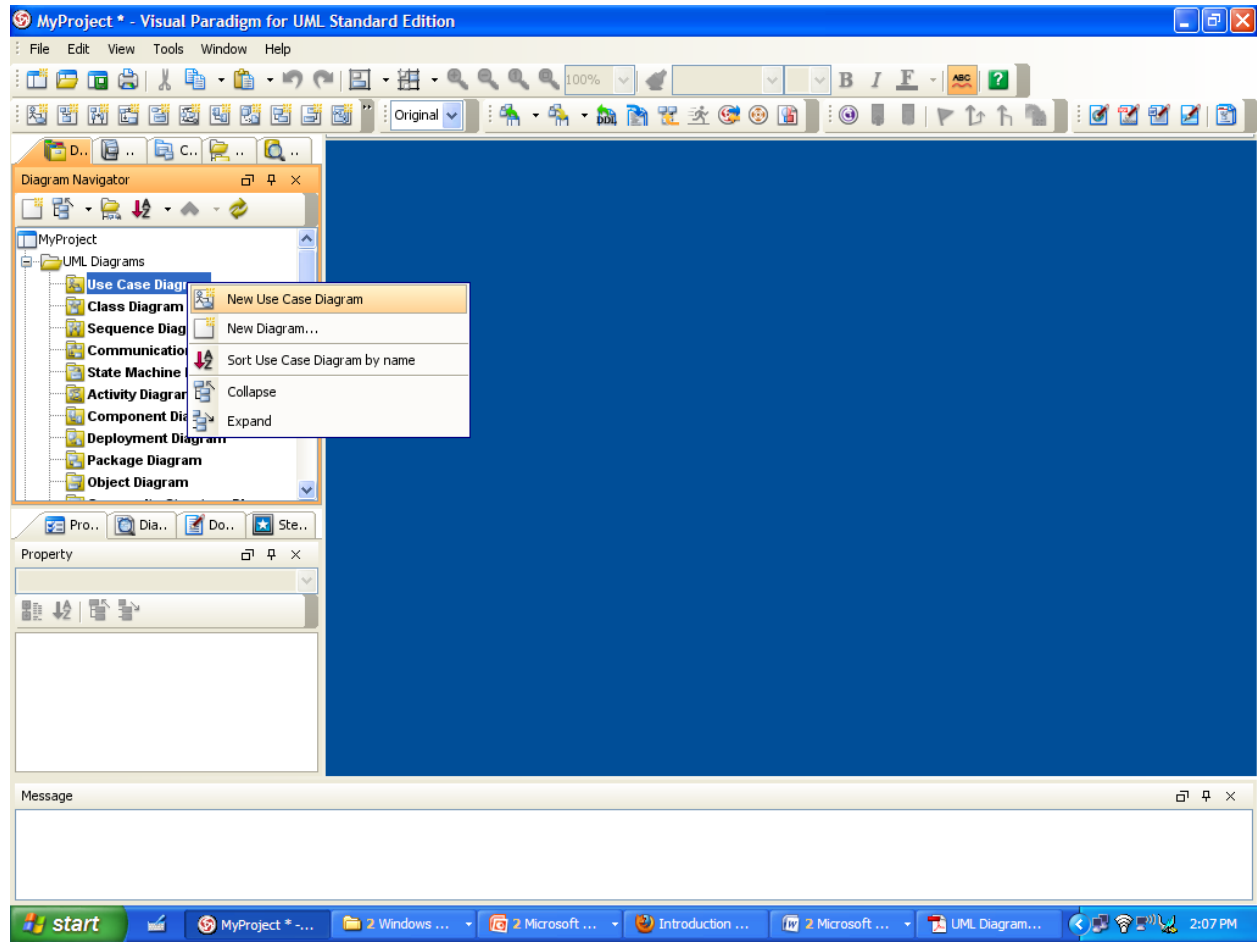
### 1. Create File

- a. Click File > New Project
- b. Select UML version 2 or above
- c. Enter the required details

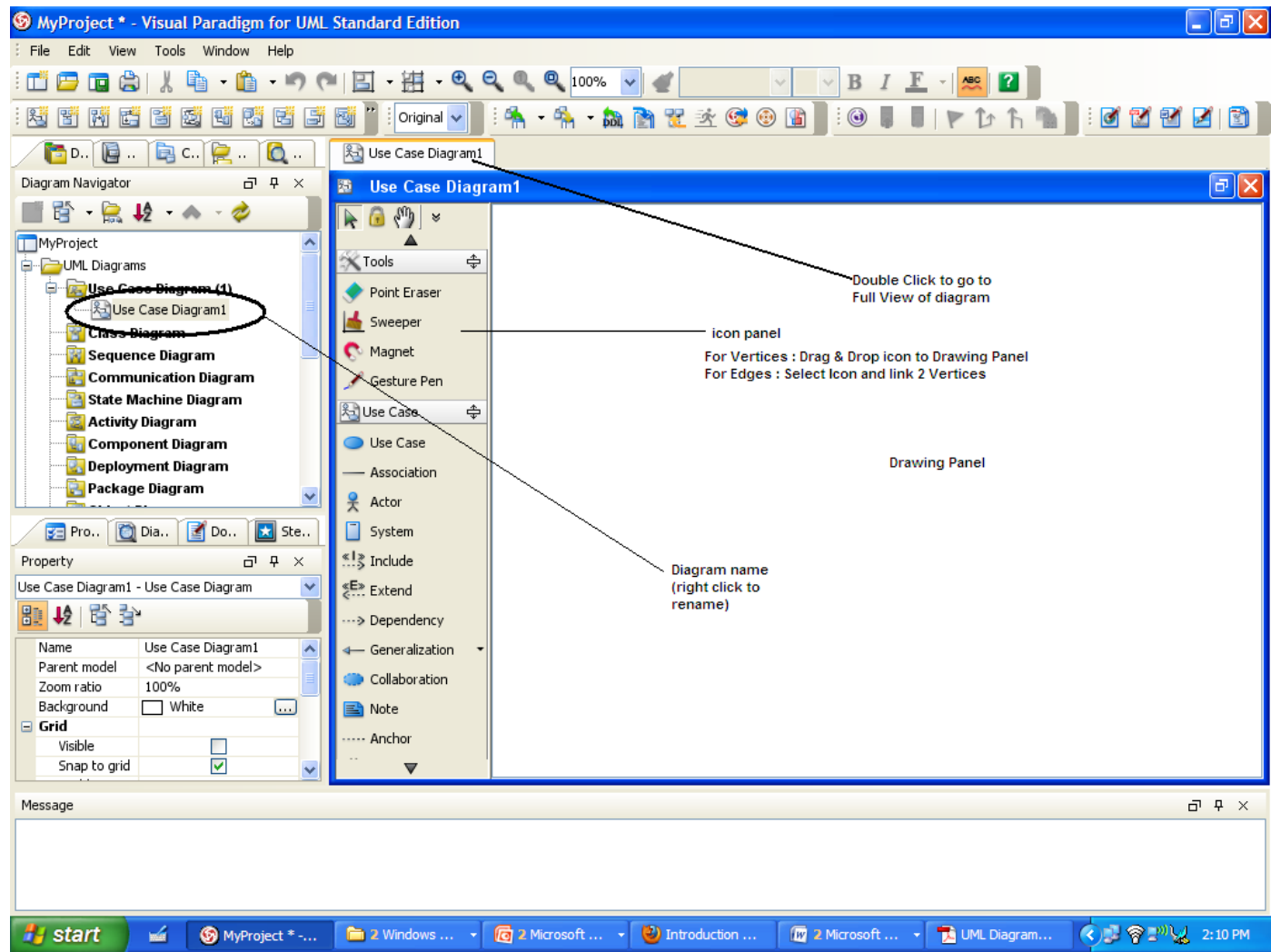


## 2. Create <diagram name> Diagram

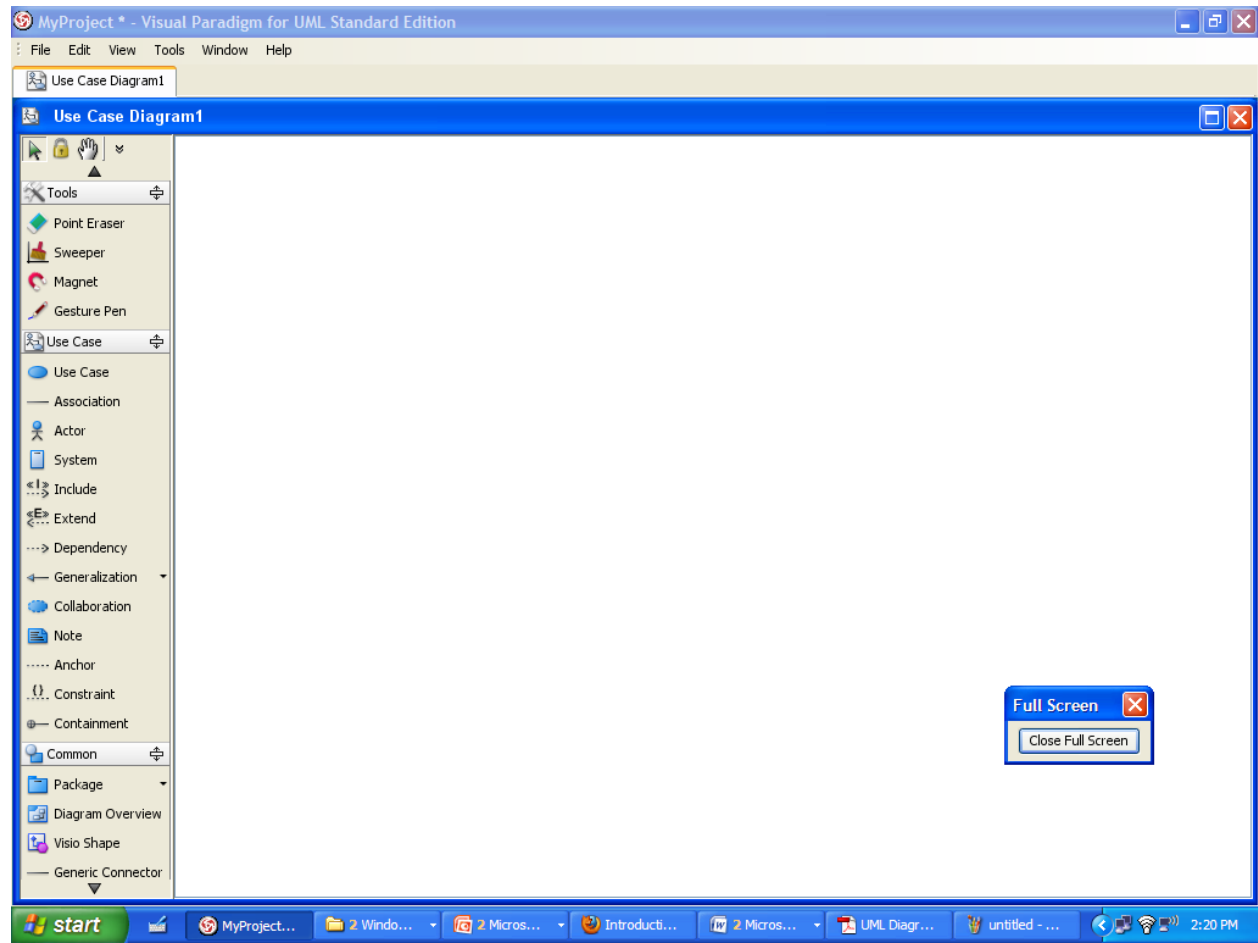
- Right Click on <diagram name> on the left panel Diagram Navigator > UML diagram
- Select "New <diagram name> Diagram"
- Enter the required details



### 3. Panel View

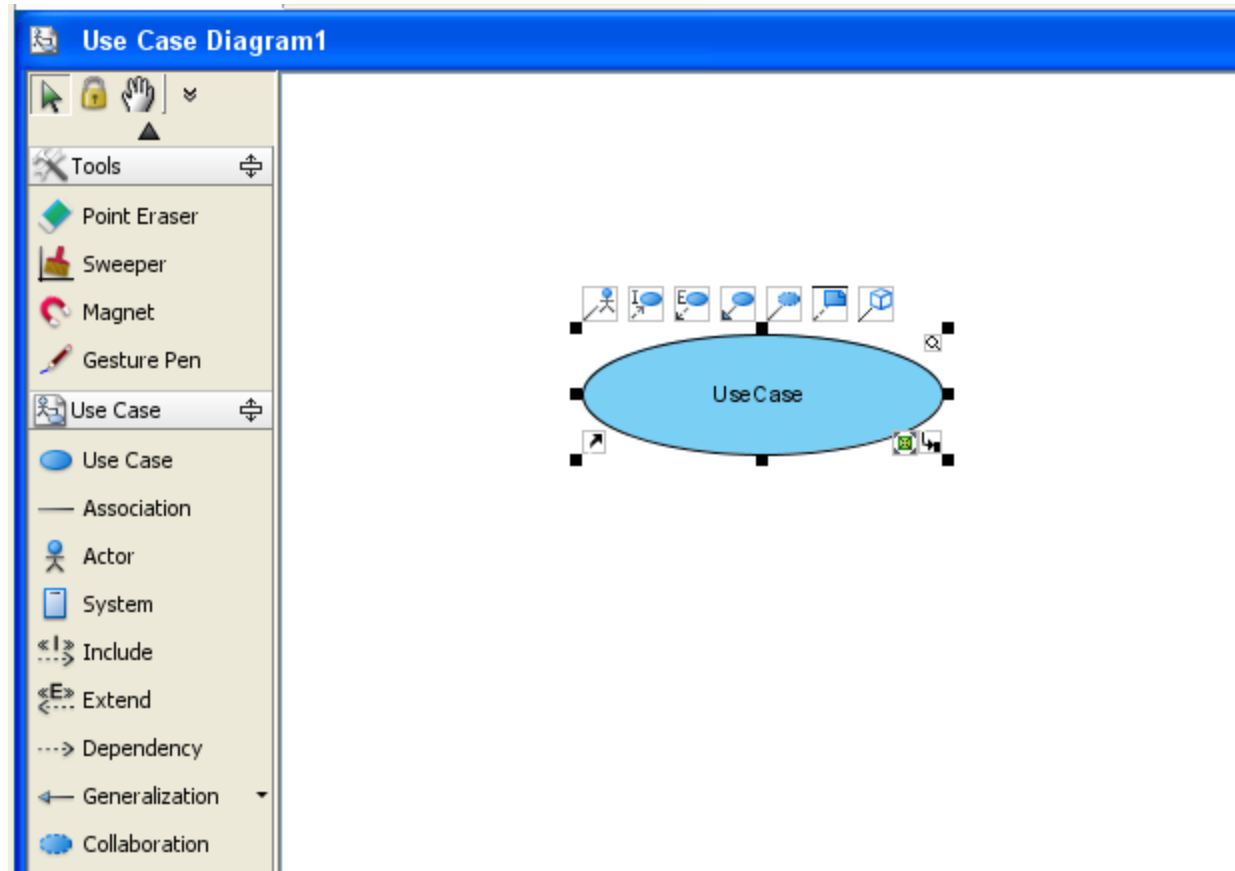


## 4. Full View



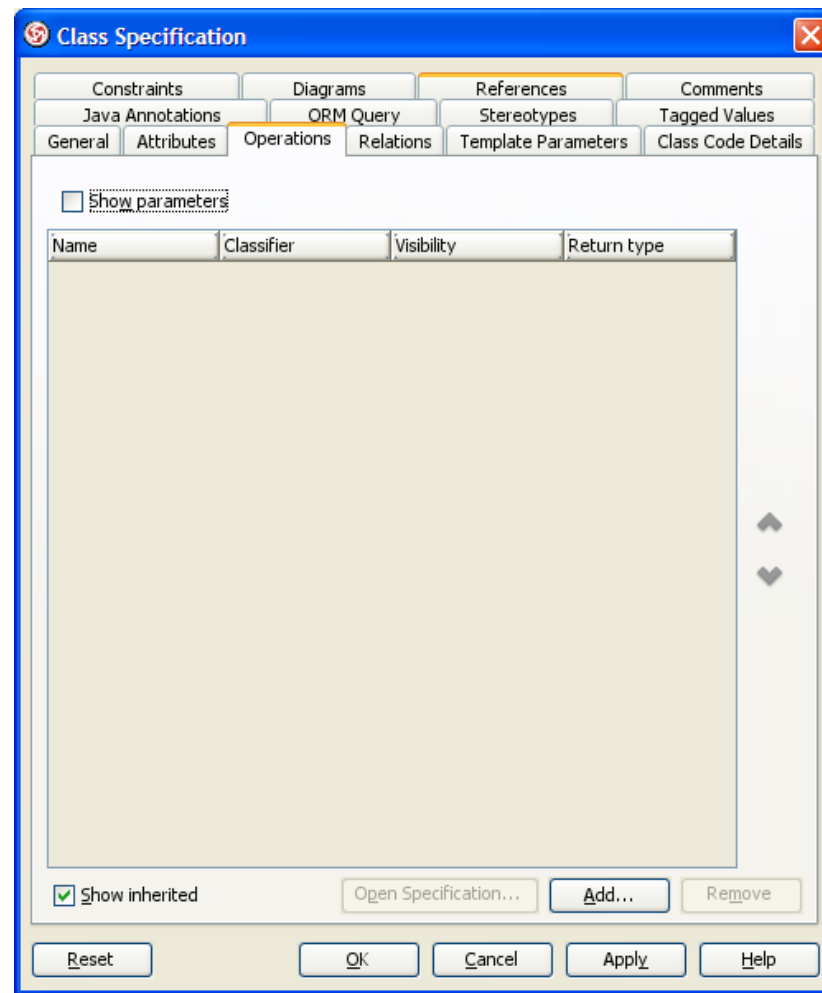
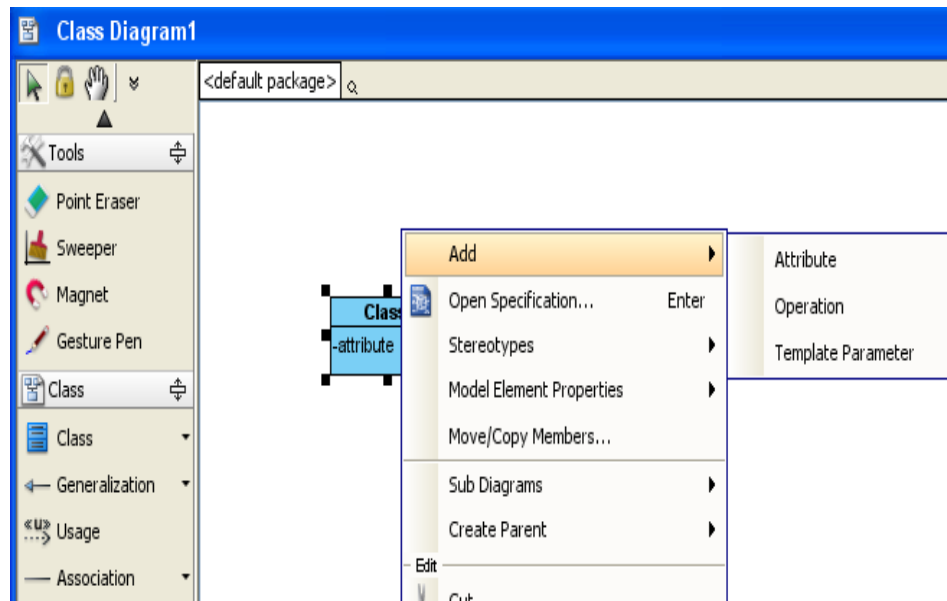
## 5. Shortcut

- a. Most Shape/Symbol provide shortcut icon when placed in Drawing Panel, click drag and drop to provide linkage.

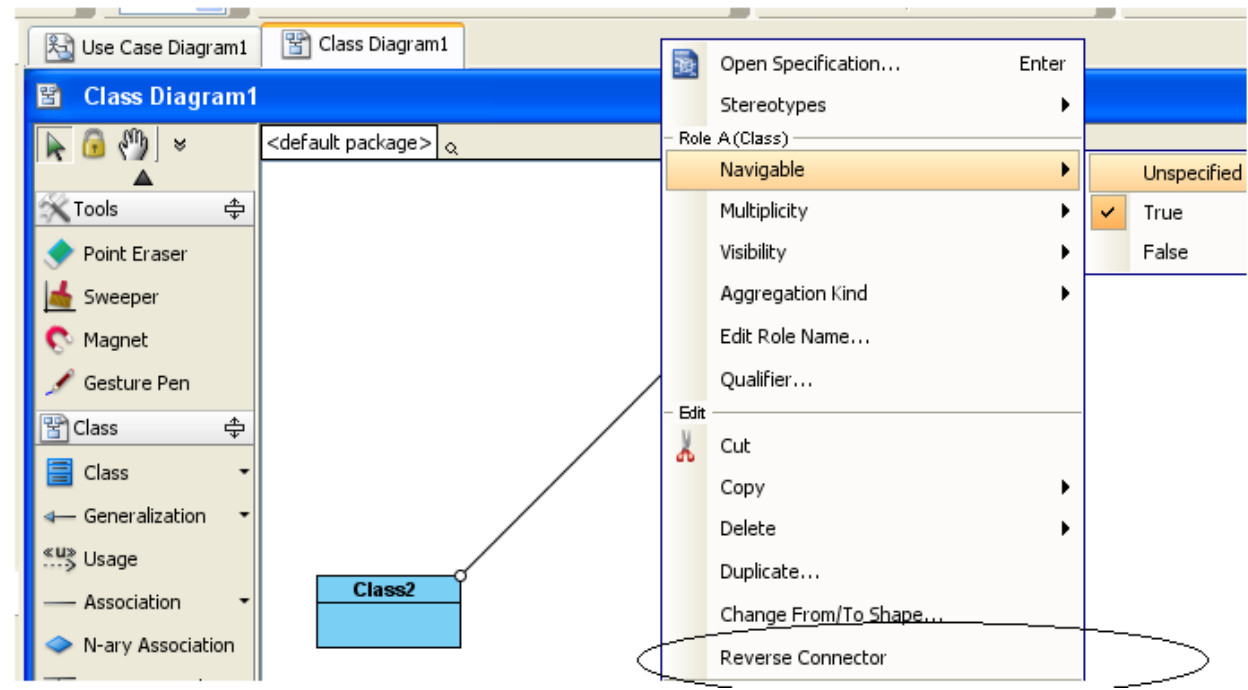
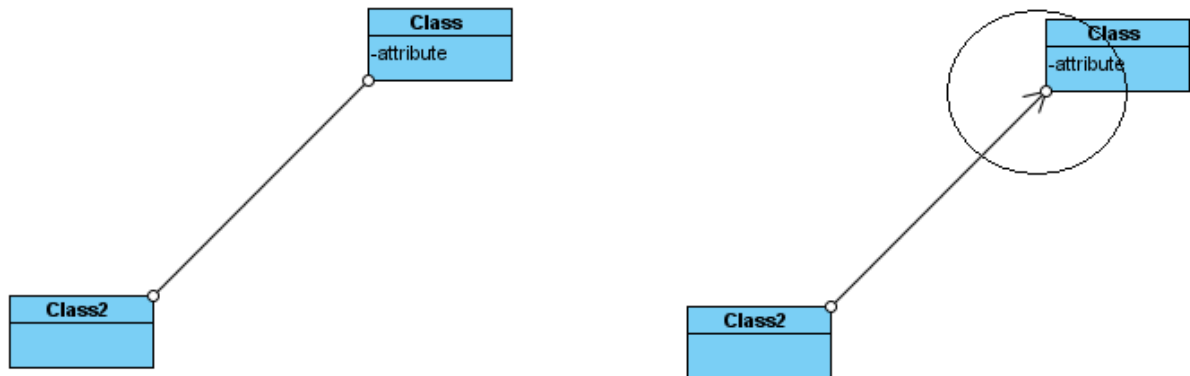


## 6. Special Notes on Class Diagrams

- a. There are 2 ways to add **Attributes and Operations**
  - i. Right click on Class Symbol and select 'Add' or
  - ii. Right click on Class Symbol and select 'Open Specification', select 'Attributes' or 'Operations' tab to add

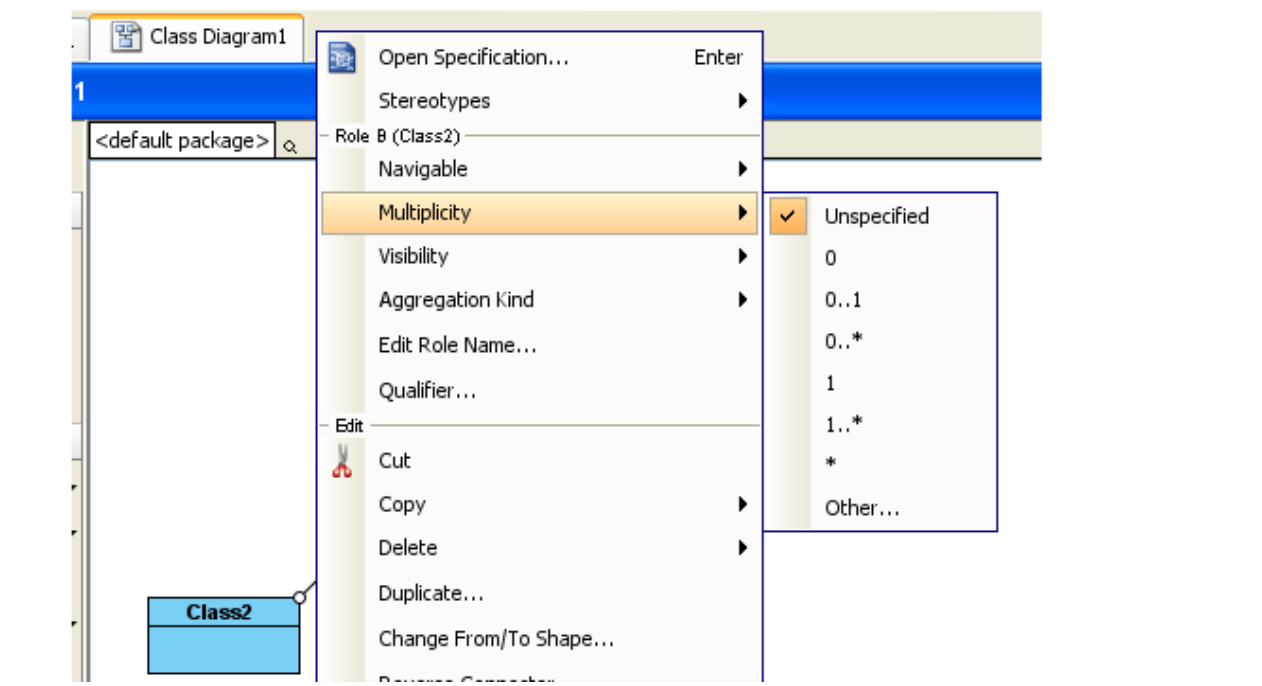
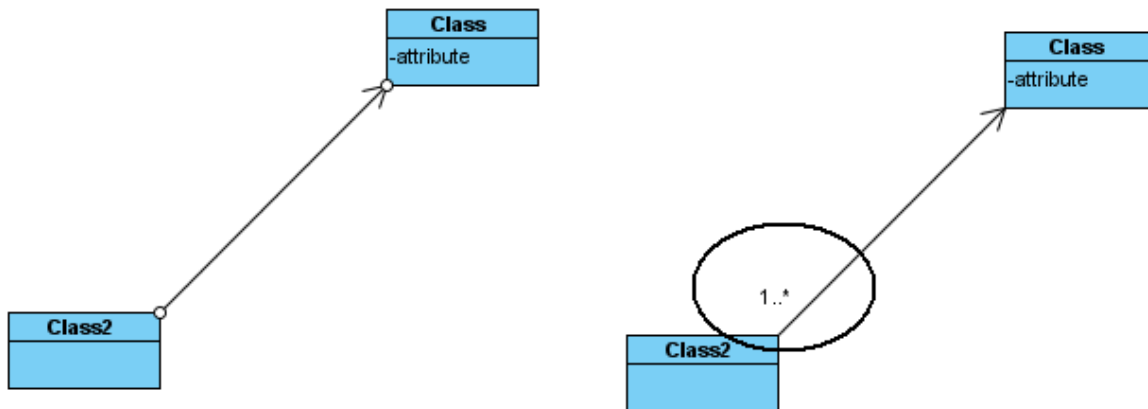


- b. To show a skeleton arrow for an association
  - i. Right click on **one end** of the association link (the line)
  - ii. Select Navigable > Unspecified
  - iii. To reverse the arrow, select 'Reverse Connector'



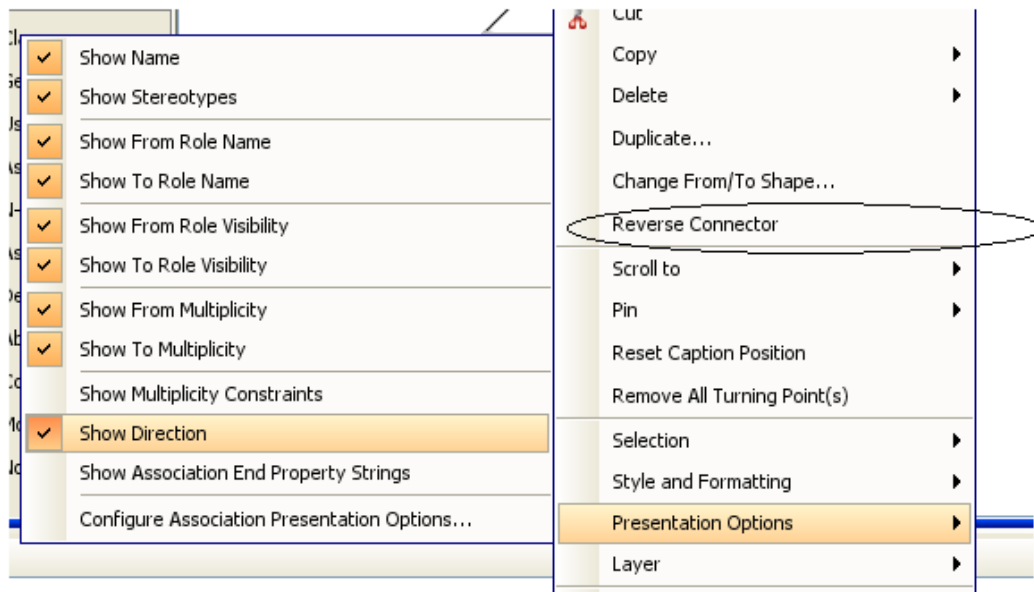
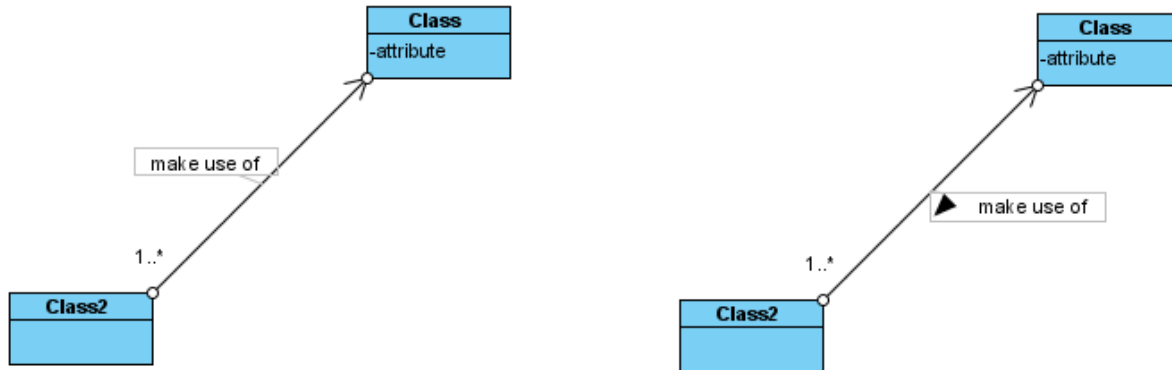
- c. To show Multiplicity
  - i. Right click on **one end** of the association link (the line)

- ii. Select Multiplicity
- iii. The cardinal can be dragged and position using the mouse

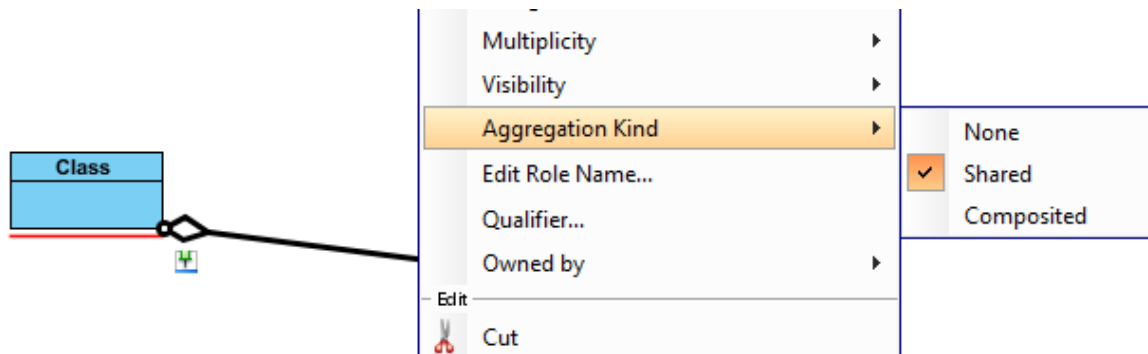




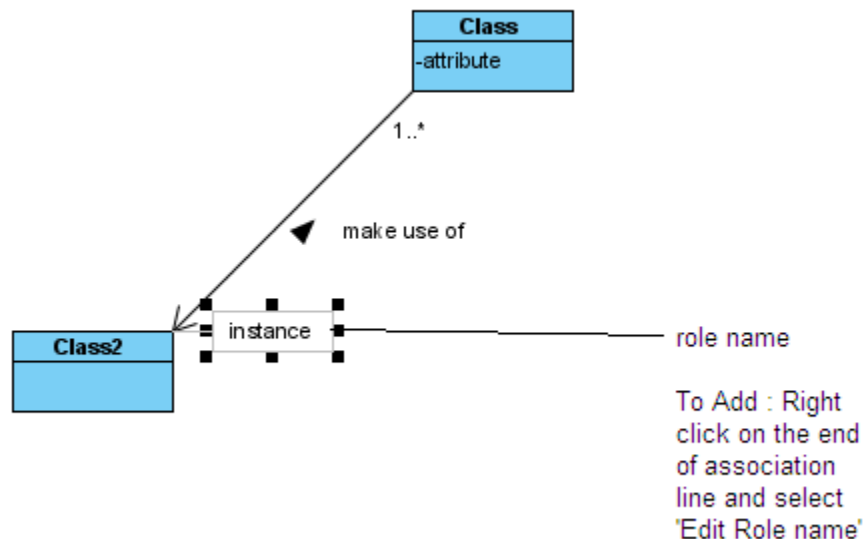
- d. To provide a verb phrase to an association
  - i. Click on the association and type the text
  - ii. To show to direction to read, right click on the **text** and select Presentation Options > Show Direction
  - iii. Use 'Reverse Connector' to reverse the arrow



- e. To provide change association line to aggregation or composition
  - i. Right click on **one end** of the association link (the line)
  - ii. Select "Aggregation Kind"
  - iii. Shared = Aggregation, Composited = Composition

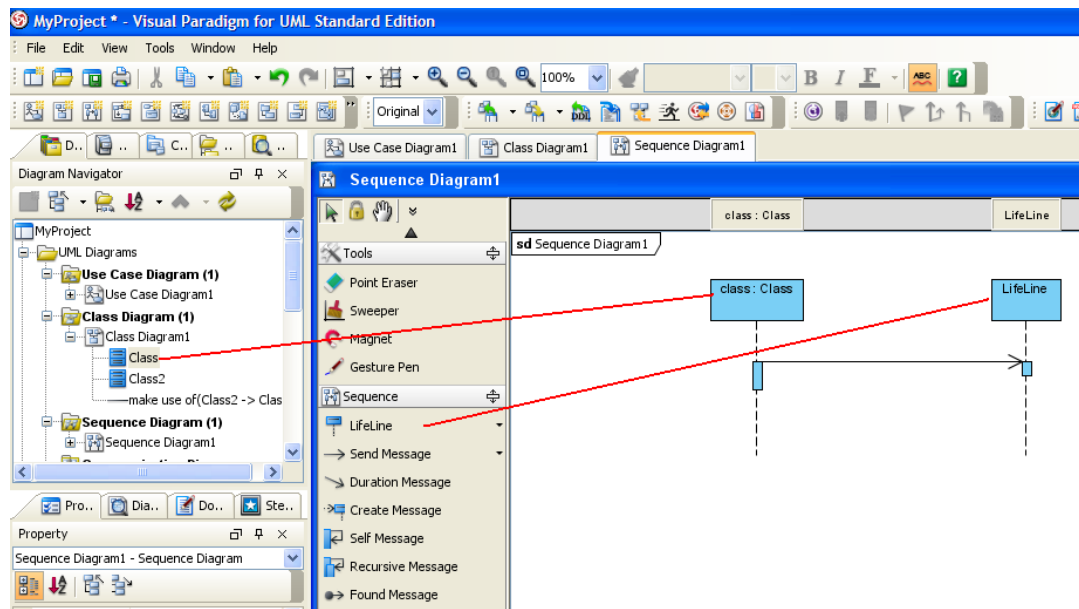


f. To provide a role name, see figure.

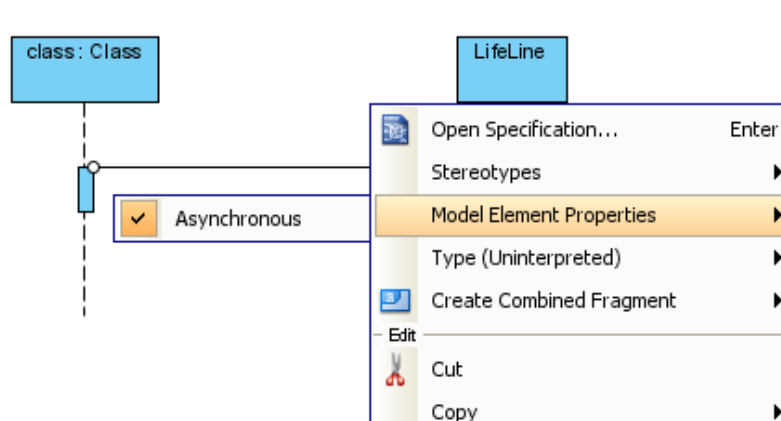
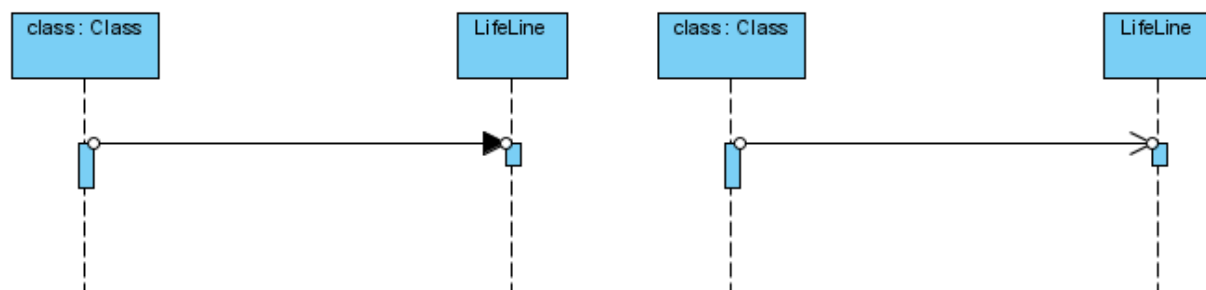


## 7. Special Notes on Sequence Diagrams

- a. 2 ways to add participant Class/Object on Sequence Diagram
  - i. Drag and Drop existing class/object from Class Diagram to drawing panel and select LifeLine OR
  - ii. Drag and Drop LifeLine icon from icon panel



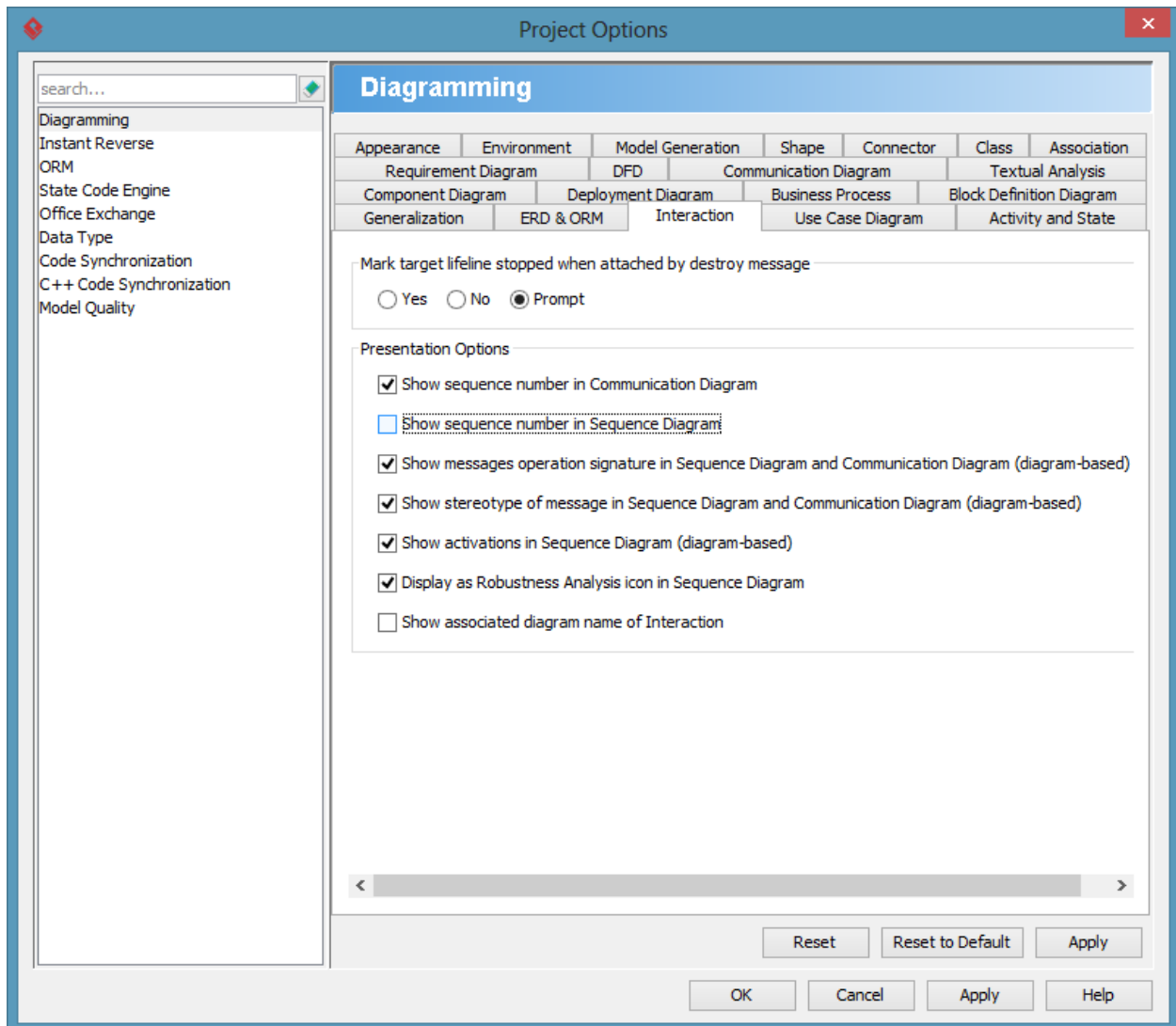
- b. To show synchronous or asynchronous message, right click on message > Model Element Properties



**\*\* Remove Message sequence numbering in Sequence Diagrams**

- At Menu, select **Tools > Project Options**
- Click “Interaction” tab
- Uncheck “Show sequence number in Sequence Diagram
- Click “Apply” and “OK”.

**Note :** This change is only effectively for subsequent new Sequence Diagram you create. *It will not remove the numbering for Sequence Diagrams created before this change.*



## **8. Special Notes on StateMachine Diagrams**

- a. To enter the actions for entry/exit/do, click on the State and press 'Enter'. The State Specification will be shown.

