

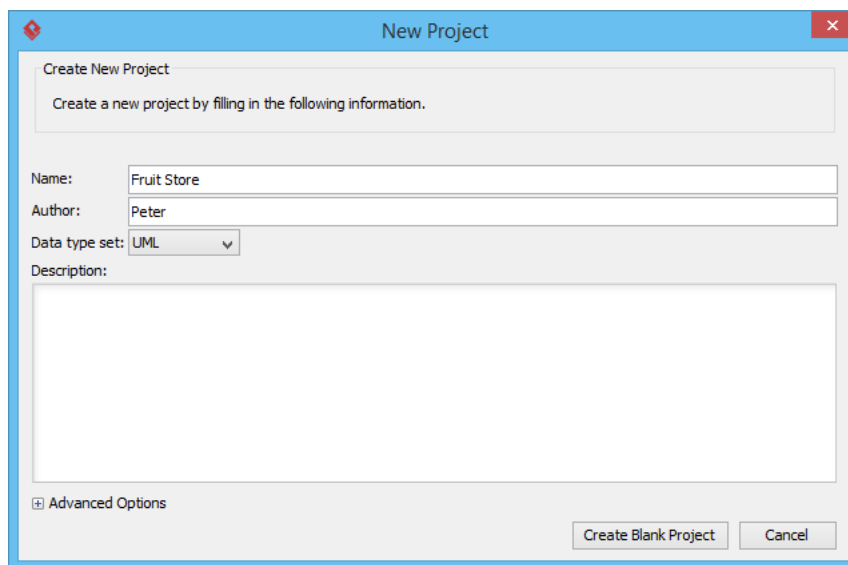


How to Create Project Reference in Visual Paradigm?

Written Date : February 22, 2016

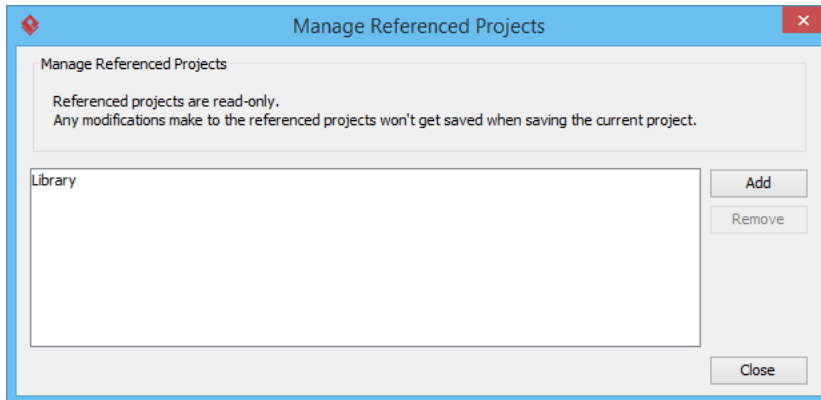
Reusing a Class from Another Project

1. Download the [Library.vpp](#) and then put it under your workspace folder. You can check your workspace folder path by selecting **Help > Switch Workspace** from the application toolbar.
2. Create a new project with [Visual Paradigm](#). Select **Project > New** from the application toolbar.
3. In the **New Project** window, enter *Fruit Store* as the project name. Click the **Create Blank Project** button.

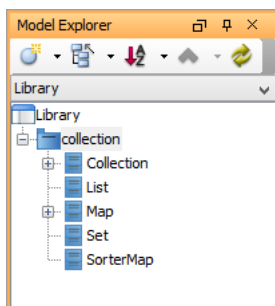


4. Select **Project > Referenced Project** from the application toolbar.

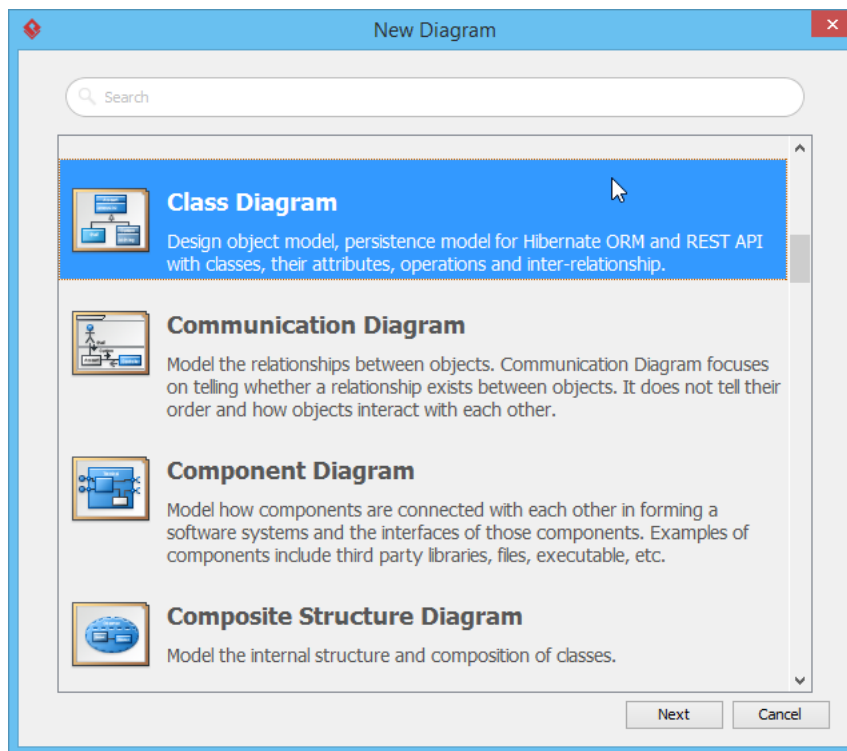
5. In the **Manage Reference Project** window, click the **Add** button and then select *Library.vpp*. Click the **Close** button.



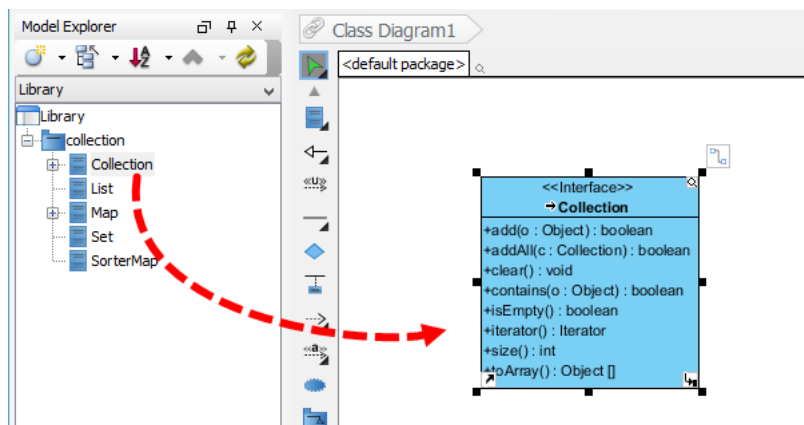
6. You can see the model elements in *Library.vpp* listed in the **Model Explorer**. On top of the element list, there is a drop-down menu for you to access the elements in different referenced projects. You will need it when your project is referencing multiple projects.



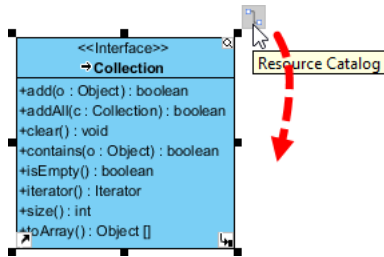
- Let's construct a simple class diagram for collection classes. Create a new class diagram first. You can create a class diagram by selecting **Diagram > New** from the application toolbar. Select **Class Diagram** and click **Next**. Then, click **OK** to confirm.



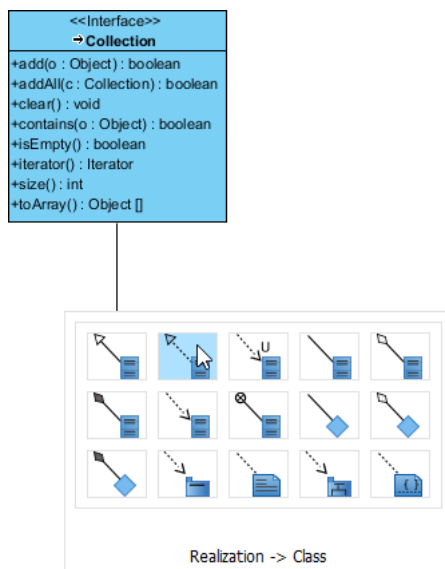
- Let's create a *FruitCollection* class which stores the fruit selections in the store. Let's start by reusing the *Collection* class in *Library.vpp*. Drag out the *Collection* class from **Model Explorer** and drop it on the diagram.



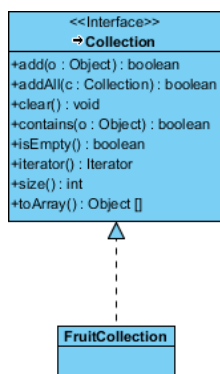
- To create a new class that implements the *Collection* interface, move the mouse pointer over the *Collection* class, press and drag on the **Resource Catalog** button.



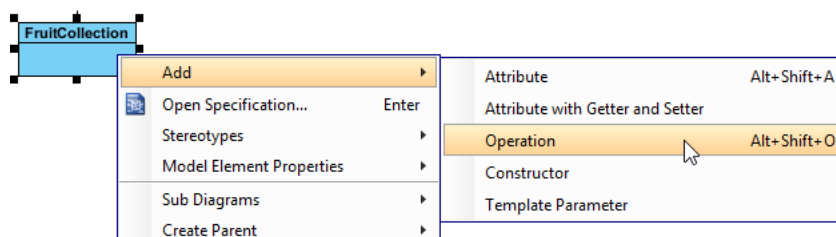
- Release the mouse button and select **Realization -> Class** from the Resource Catalog.



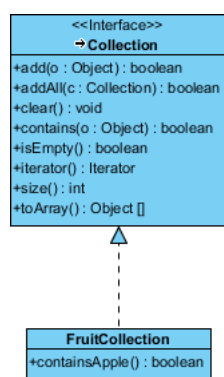
- Name the class *FruitCollection* and press **Enter**.



12. Add an operation to the *FruitCollection* class. Right-click on it and select **Add > Operation** from the pop-up menu.



13. Name the operation `+containsApple():boolean`, press **Enter** and **Esc** to confirm editing.

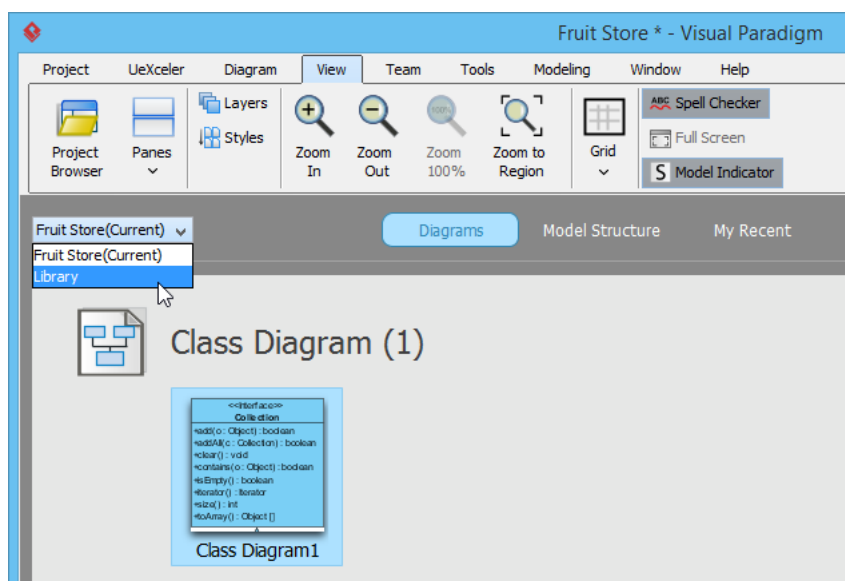


The first half of this tutorial is finished. The steps above demonstrate how reference project(s) work. Even if in the future there are other projects that require the modeling of collection classes, you can reuse the same library project as a referenced project. Moreover, when you have updated the reference project, for example, adding an operation to the *Collection* class in this case, the referencing project will be benefited as well. This time-saving feature would avoid you repeating the same change on different projects.

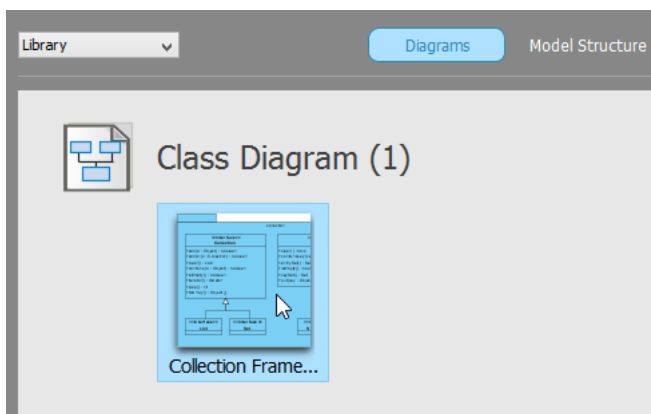
Accessing Diagrams in Referenced Project

1. Select **View > Project Browser** from the application toolbar.

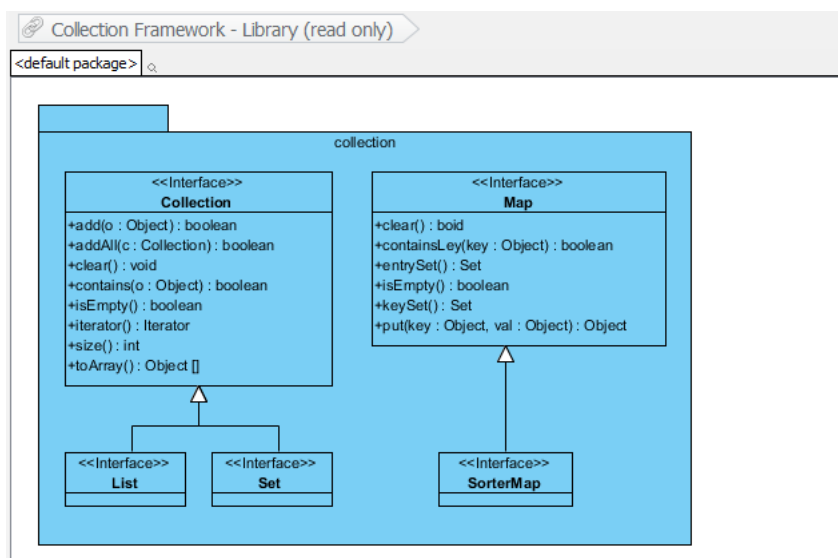
2. Under the **Diagram** tab, click on the drop-down menu at the top left corner and then select the *Library* project.



3. Double-click on the diagram *Collection Framework* to open it.



With this, you can read the diagram drawn in the referenced project.



Resources

1. [Library.vpp](#)



Visual Paradigm home page
(<https://www.visual-paradigm.com/>)

Visual Paradigm tutorials
(<https://www.visual-paradigm.com/tutorials/>)

<https://www.visual-paradigm.com/tutorials/projectdependency.jsp>