

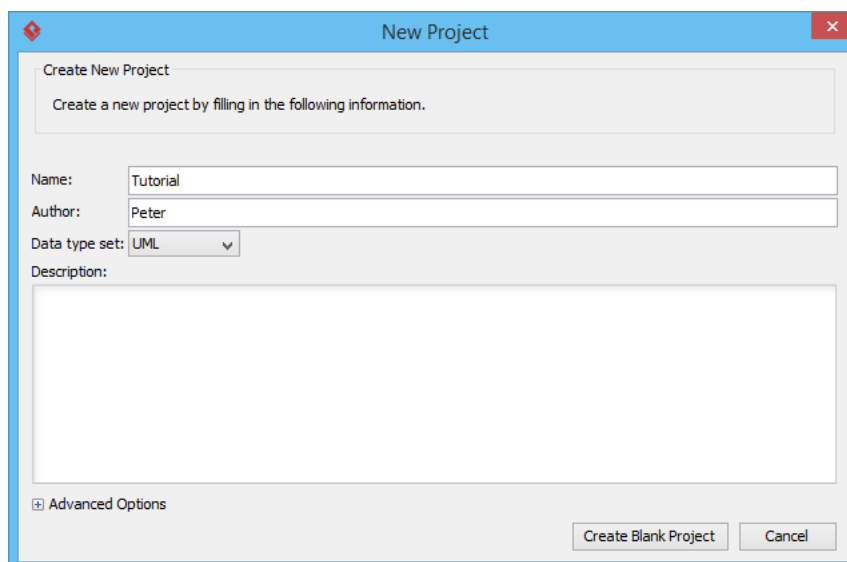


## How to Create Test Cases for SysML Requirement?

Written Date : February 16, 2016

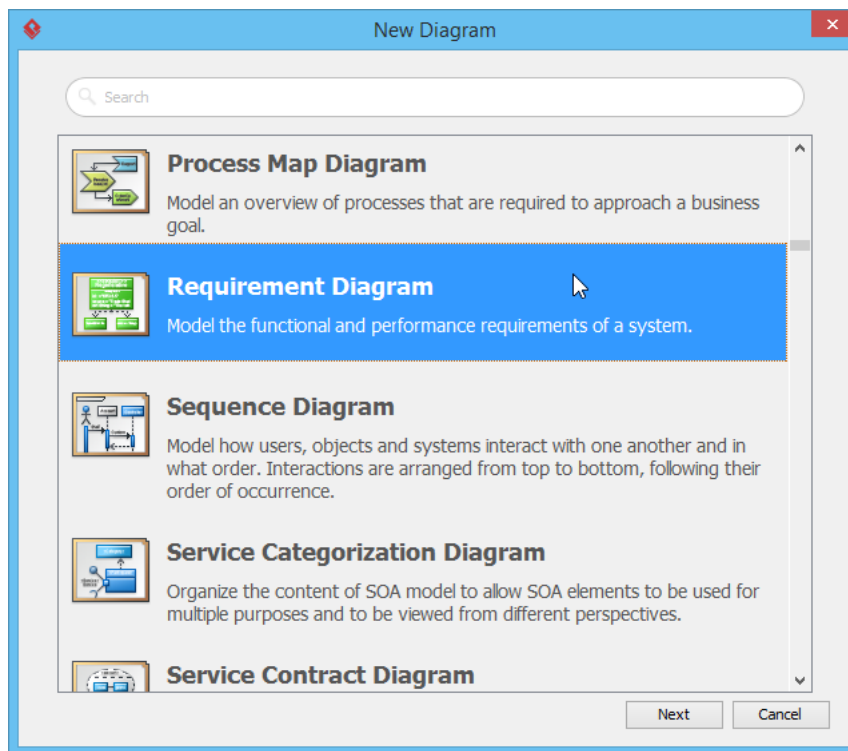
### Creating a Simple SysML Requirement Diagram

1. Select **Project > New** from the application toolbar.
2. In the **New Project** window, enter *Tutorial* as the **Name**.

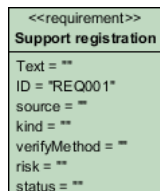


3. Click **Create Blank Project**.

4. Create a SysML requirement diagram first. You can create a requirement diagram by selecting **Diagram > New** from the application toolbar. Select **Requirement Diagram** in the **New Diagram** window and then click **Next**. Click **OK** again to create the diagram.



5. Click a requirement *Support registration*.

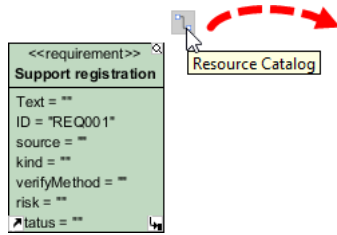


## Creating Test Cases

Let's create some test cases for the requirement *Support registration*.

1. Move your mouse pointer over the requirement.

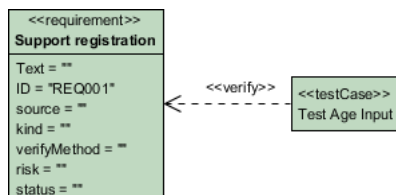
- Click on the **Resource Catalog** icon and drag it out.



- Release the mouse button. Select **Verify <- Test Case** from the Resource Catalog.

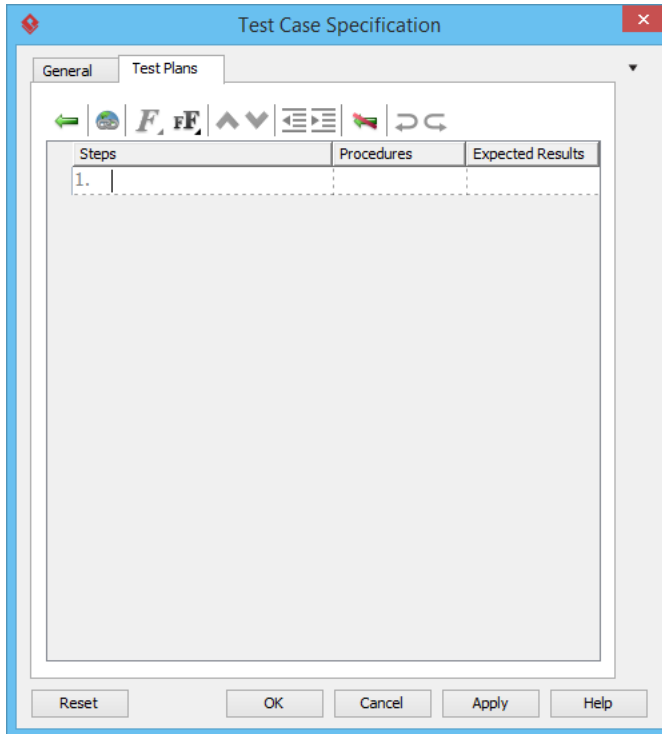


- Name the test case as *Test Age Input*.



- In addition to having a named test case shape, you can also define the steps to test. Open the specification by right-clicking on the test case *Test Age Input* and selecting **Open Specification...** from the popup menu.

- Open the tab **Test Plans**. There are three columns. The **Steps** column defines a set of steps to test the requirement in a more general way. The **Procedures** column also defines the steps, but in a more concrete manner by providing test data. The **Expected Results** column is the result expected to be achieved by walking through the defined procedures.



- Enter the steps as shown below:

Step	Procedure	Expected Result	Enter user information	Enter: - User name: john - Age: 20	Entered data appear in form

Script:  
Application  
submit  
submitted



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