Creating a simple SysML requirement diagram

1. Select Project > New from the application toolbar.

2. In the New Project window, enter Tutorial as 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.
2. Press on the **Resource Catalog** icon and drag it out.

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

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

5. In addition to having a named test case shape, you can define the steps to test as well. Open the specification by right clicking on test case **Test Age Input** and selecting **Open Specification...** from the popup menu.
6. 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 angle. The **Procedures** column defines also the steps, but in a more concrete manner by providing also test data. The **Expected Results** column is the result expected to achieve by walking through the defined procedures.

![Test Case Specification](image)

7. Enter the steps as shown below:

<table>
<thead>
<tr>
<th>Step</th>
<th>Procedure</th>
<th>Expected Result</th>
<th>Enter user information</th>
<th>Enter:</th>
</tr>
</thead>
</table>
| 1    |           |                 | Enter user information | - User name: john  
     |           |                 |            | - Age: 20       |
|      |           |                 | Entered data appear in form |        |

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