

# Customizing requirement properties

You can create specific properties in requirements specifications. This will help identify the requirement's version, complexity, priority, severity, status, and other properties. Use the [UML Profiling and DSL Guide](#) to extend Requirements with custom properties. Add custom properties to the general properties list by extending the [ExtendedRequirement](#) class.



Customizing procedure details are described in [Creating Customization Data](#) and [Using Customization Data](#) in the [UML Profiling and DSL Guide](#).

To create custom properties

1. In your project, create a Package for your custom properties.

To create a new package

- a. In the Containment tree, right-click the element.



The element should be a namespace, such as a package, class, or requirement.

- b. Select **Create Element > Package**.
  - c. Type a name for the new Package (e.g. Custom Properties).
  - d. Press Enter.
2. In that package, create a new stereotype. [How to create a new stereotype >>](#)
  3. Apply a metaclass Class to the created stereotype.

To apply a metaclass to a stereotype

- a. In the Containment tree, right-click the newly created stereotype.
  - b. From the shortcut menu, select **Metaclass**.
  - c. In the **Metaclass** dialog, select a Class.
  - d. Click **Apply**.
4. For the stereotype with the applied metaclass Class, create custom properties.

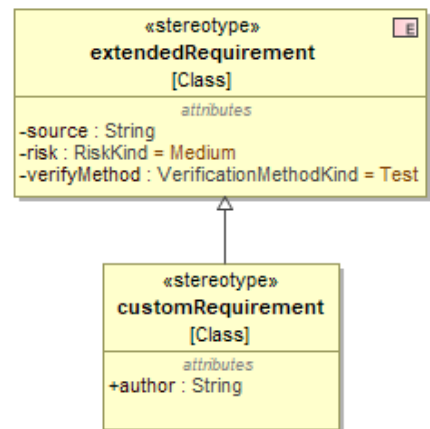
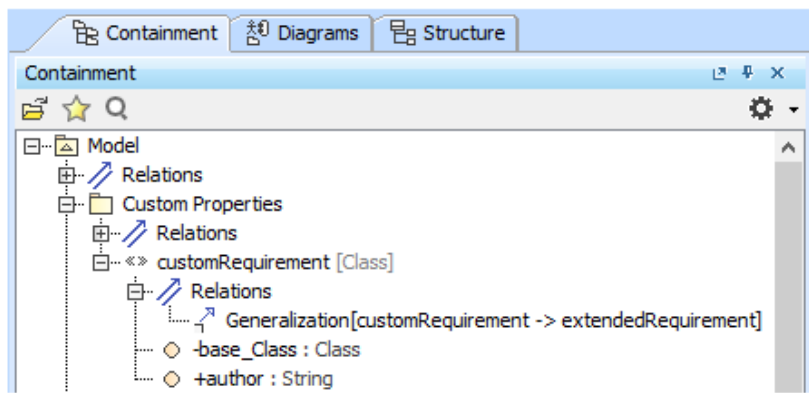
To create custom properties for a stereotype

- a. In the Containment tree, right-click stereotype.
  - b. From the shortcut menu, select **Create Element**.
  - c. In the **Create Element** dialog, select **Property**.
  - d. Type a property name and specify a value type.
5. Extend the `ExtendedRequirement` class using properties created in the stereotype (i.e., you must relate the stereotype with the Generalization relationship to the `ExtendedRequirement` class).

To extend the `ExtendedRequirement` class using custom properties

- a. In the Containment tree, right-click stereotype.
  - b. From the shortcut menu, select **Create Relation > Outgoing**.
  - c. In the **Outgoing** dialog, select **Generalization**.
  - d. In the **Create New Generalization To** dialog, select the **List** tab, clear the **Apply Filter** check box, and select the `ExtendedRequirement [Class]`.
  - e. Click **OK**.
6. On the [main toolbar](#), click **Save Project** button and restart your project. Your custom properties are added to the general requirement properties. You can assign values to them in the Requirement's [Specification window](#) or in the Properties panel.

The following figure depicts how the stereotype related to the `ExtendedRequirement [Class]` looks in the [Containment tree](#) and [diagram pane](#).



The *ExtendedRequirement* [Class] extended by the *author* property is shown in the Containment tree and diagram pane.