

Name	Add Descriptors
ID	AddDescriptors
Version	1
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Summary	An extension use case to add descriptors to a ControlledObject, used by several Use Cases
Basic Path	<ol style="list-style-type: none"> <li>1. The system displays the prompt to enter: the <b>DescriptorType.name</b>, <b>DescriptorGroup.name</b>, <b>Descriptor.identifier</b>, <b>Descriptor.namespace</b>, and <b>Descriptor.name</b> of the new <b>Descriptor</b>. The <b>DescriptorType.name</b> and <b>DescriptorGroup.name</b> cannot be typed-in by the user and can only be selected from a system-provided list of the currently existing values for the two names. <b>FindDescriptor</b>, <b>Done</b>, and <b>Cancel</b> buttons are visible.</li> <li>2. The user provides the required data and clicks <b>Done</b>.</li> <li>3. The system creates a new <b>Descriptor</b> with the provided data or uses an existing one, if one was selected during the FindDescriptor use case execution (see 2. in the Alternative Paths section). The <b>Descriptor</b> is linked to the <b>ControlledObject</b> being created or modified in the referring use case. The system displays a new screen in which all defined <b>Descriptors</b> are shown. <b>AddDescriptor</b> and <b>Done</b> and <b>Cancel</b> buttons are visible.</li> <li>4. The user clicks <b>Done</b>.</li> </ol>
Alternative Paths	<ol style="list-style-type: none"> <li>1. In step 2, if the user selects the <b>Cancel</b> button, the use case is terminated.</li> <li>2. In step 2, if the user selects the <b>FindDescriptor</b> button, the system executes the FindDescriptor use case; at its completion, control returns to step 2 in the Basic Path, and if the user selected one of the located <b>Descriptors</b> during the execution of the FindDescriptor use case, all of the attributes of the selected <b>Descriptor</b> are preset as if entered by the user; otherwise no values are preset.</li> <li>3. In step 3, if this extension is from step 10 in the Basic Path of the CreateSourceSample use case, the system creates a new <b>SampleDescriptor</b>. Which is linked to the SourceSample object. The system displays a new screen in which all defined <b>SampleDescriptors</b> are shown. <b>AddDescriptor</b> and <b>Done</b> and <b>Cancel</b> buttons are visible and the system goes to step 4 in the Basic Path.</li> <li>4. In step 3, if this extension is from step 10 in the Basic Path of the CreateMolecularObject use case, the system creates a new <b>MoleculeDescriptor</b>, which is linked to the <b>MolecularObject</b>. The system displays a new screen in which all defined <b>MoleculeDescriptors</b> are shown. <b>AddDescriptor</b> and <b>Done</b> and <b>Cancel</b> buttons are visible and the system goes to step 4 in the Basic Path.</li> <li>5. In step 4, if the user selects the <b>AddDescriptor</b> button, the system returns to step 1 in the Basic Path.</li> </ol>
Exception Paths	<ol style="list-style-type: none"> <li>1. In step 3, if the system determines that a Descriptor with the given <b>Descriptor.identifier</b>, <b>Descriptor.namespace</b> already exists, the system displays the <b>DuplicateDescriptor</b> message and the system goes back to step 1 in the Basic Path, preserving all of the previously provided values.</li> </ol>
Extension Points	None
Triggers	The user elects to create a new <b>Descriptor</b> within one of the referring use cases
Assumption	None
Pre-conditions	The current user is currently logged in and the session has not expired. The <b>GVUser</b> object is available. The <b>ControlledObject</b> from the referring use case is available.
Post-conditions	A new <b>Descriptor</b> is added to the <b>ControlledObject</b> .