Working with stereotypes and tagged values

The UML metamodel implementation itself does not provide a way to assign stereotypes and tags directly to Elements. The UML metamodel implementation in a modeling tool provides a pretty complex mapping — every UML Element can have an Instance of assigned Stereotypes. It is stored as the *Element.appliedStereotypeInstance* property. Slots of this instance are *TaggedValues*. If several stereotypes are applied, same InstanceSpecification is used with many classifiers set.

There are two ways to work with profiling information

- We provide a *com.nomagic.uml2.ext.jmi.helpers.StereotypesHelper* helper class for hiding this mapping complexity. It has set of useful methods for assigning or unassigning stereotypes and creating *TaggedValues*. Keep in mind that *TaggedValues* in this helper class are called Slots.
- Use profile implementation classes