UML model implementation in version 17.0 details

The MagicDraw (or other modeling tool developed by us) 17.0 UML metamodel has a nested package structure. UML is a root package that has nested subpackages, for example, classes/mdkernel, components/mdbasiccomponents, mdusecases. Metadata about a specific model element can be found in the package of the element. For example, a UML model element *Property* is from the package *uml /classes/mdkernel*, so metadata about *Property* can be found in the package *com.nomagic.uml2.ext. magicdraw.classes.mdkernel.metadata.MdkernelPackage*.

```
EAttribute nameAttribute = UMLPackage.Literals.NAMED_ELEMENT__NAME;
```

Model elements can be created using the EMF UML factory *com.nomagic.uml2.ext.magicdraw.metadata. UMLFactory*: For example:

```
Component component = UMLFactory.eINSTANCE.createComponent();
```

The element will be created in the repository of the active project. UML model elements are not contained by any EMF resource.