

Finding elements by name or by meta-type

Use [com.nomagic.magicdraw.uml.Finder](#) for finding elements by the name or type (meta-type) in a project. This utility class provides several internal finders for executing different types of search operations.

For example:

```
Project project = ...;
//find a Model element under the project primary model with a name
"MyModel". It is not a recursive search
Model model = Finder.byName().find(project.getPrimaryModel(), Model.
class, "MyModel");
//find a first Model element under project primary model with a name
"MyModel". It is a recursive search.
Model model = Finder.byNameRecursively().find(project.getPrimaryModel(),
Model.class, "MyModel");
//find all Model elements under project primary model with a name
"MyModel". It is a recursive search.
Collection<Model> models = Finder.byNameAllRecursively().find(project.
getPrimaryModel(), Model.class, "MyModel");
```

Related pages

- [Retrieving meta information about element](#)

Finding or creating Classifiers

A special utility class is available for search or creating Classifiers by metatype, simple or qualified name
- [com.nomagic.magicdraw.uml.ClassifierFinder](#)