

# Creating a diagram

Every diagram has a diagram type and this type should be provided during diagram creation. An example shows how to create and add a diagram to a parent element:

```
Project project = ...;
Package parent = project.getPrimaryModel();
// create a new session
SessionManager.getInstance().createSession(project, "Create a
diagram");
try
{
    //a class diagram is created and added to a parent model element
    Diagram diagram = ModelElementsManager.getInstance().createDiagram
(DiagramTypeConstants.UML_CLASS_DIAGRAM, parent);
    //open a diagram
    project.getDiagram(diagram).open();
}
catch (ReadOnlyElementException e)
{
}
SessionManager.getInstance().closeSession(project);
```

## Related pages

- [Session management](#)