

# Displaying related elements in the diagram

Our modeling tools allow displaying symbols that are related to a given symbol via relationships. The [com.nomagic.magicdraw.uml.symbols.DisplayRelatedSymbols](#) class provides API methods for this. Using this class you can control any of the following behaviors for displaying the related symbols logic:

- What relationship types should be included.
- The depth of a relationship tree.
- Whether or not existing symbols should be reused.

## Related pages

- [Session management](#)

## Example: Displaying related generalizations and interface realizations

```
SessionManager sessionManager = SessionManager.getInstance();
sessionManager.createSession(project, "Display related");

Set linkTypes = new HashSet();
linkTypes.add(new LinkType(Generalization.class));
linkTypes.add(new LinkType(InterfaceRealization.class));

DisplayRelatedSymbolsInfo info = new DisplayRelatedSymbolsInfo
(linkTypes);
info.setDepthLimited(true);
info.setDepthLimit(3);

PresentationElement view = ...; // A symbol for which you need to
invoke the displaying related symbols action.
DisplayRelatedSymbols.displayRelatedSymbols(view, info);
sessionManager.closeSession(project);
```



You can find the code examples in

- `<installation_directory>\openapi\examples\displayrelated`