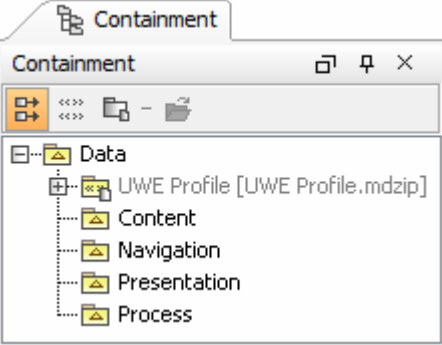| MagicUWE features	Similar user actions in MagicDraw
Create a new UWE project `File / New Project.. / Project from Template / UWE` ![New Project dialog showing Name: AddressBook, Project location /home/maria, Blank Project and Project from Template options, Select template tree with Templates/UWE/UWE, and Template description: "Template contains stereotypes and tagged values for UML-Based Web Engeneering. Part of MagicUWE."]	• If MagicUWE is loaded: Create a new project (`File / New Project.. / Blanc Project`) and answer "Yes" to this question: ![Question dialog: "The UWE Profile is not loaded. You can not work with the MagicUWE plugin until you load the UWE Profile. Do you want to load the profile now?" with Yes and No buttons] • If not: Save the UWE profile as `MagicDraw / profiles / UWE Profile.mdzip`. Create a new project and add the UWE Profile (`Options / Modules / Use Module / ..profiles / UWE Profile.mdzip / Finish`) Recommendation: Don't display the operations: (`class on a diagram`) `/ Symbol properties / Suppress Operations = true / Make Default / OK` and create the UWE models (see next point)
Create default UWE models ![MagicUWE menu showing: New UWE Diagram, Transformations, Create default packages, About MagicUWE]	Create four models yourself and call them "Content", "Navigation", "Presentation" and "Process". Add the stereotypes «contentModel», «NavigationModel», «PresentationModel» and «ProcessModel». ![Containment tree showing: Data > UWE Profile [UWE Profile.mdzip], Content, Navigation, Presentation, Process]

Create UWE diagrams
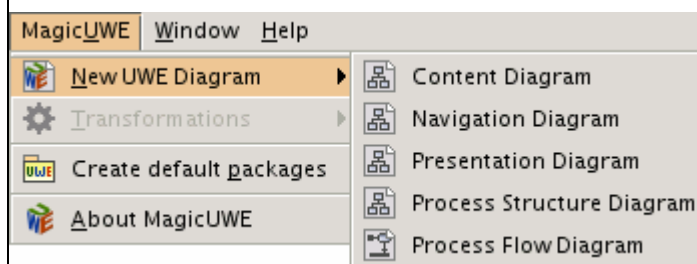
or:
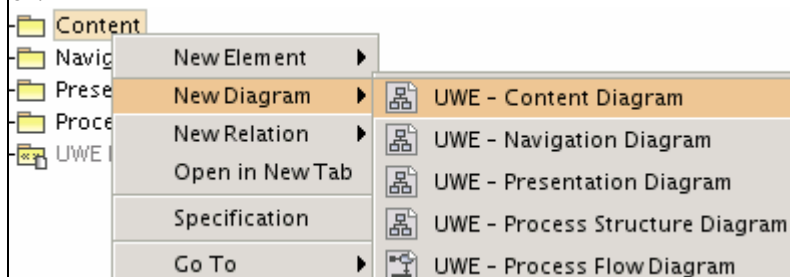
s. configuration, if you prefer an UWE submenu.

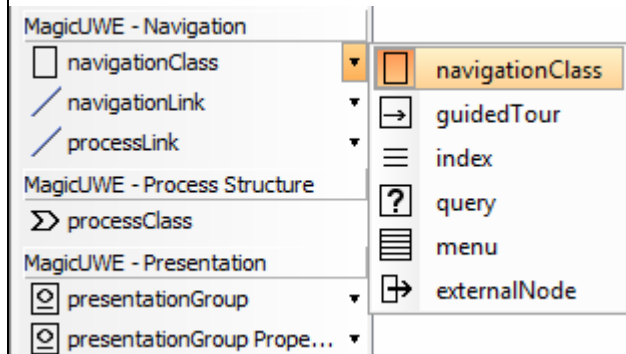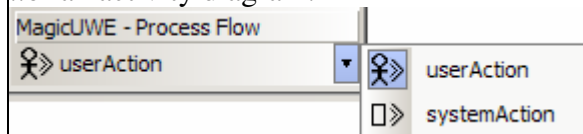Create class or activity diagrams.

Recommendation:
Move them into the right UWE models in the containment tree and give them unique names.

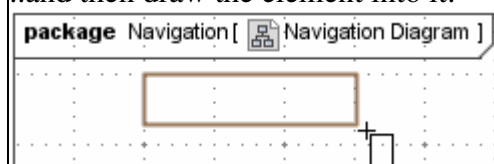# Insert classes (or associations) with UWE stereotypes

Click at the wanted class in the toolbar of a class diagram:
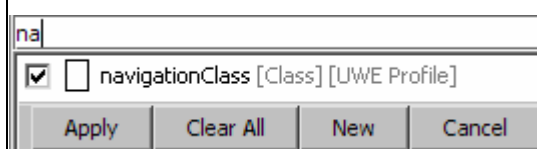

..or an activity diagram:

..and then draw the element into it:

Inserting associations is working similar.

(Draw a new normal class or association and right-click on it) / Stereotype / (select the wanted stereotypes from the UWE profile) / Apply

Draw properties with UWE stereotypes

First click at the object in the diagram, which should contain the new property and then select the wanted property-stereotype from the (presentation-)toolbar and draw it into the class you have previously selected.
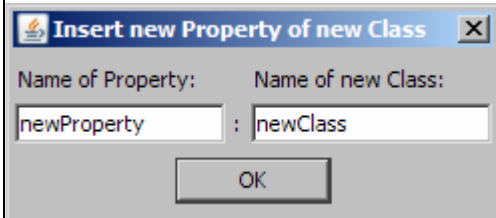
A new class is created and added (as property) to the previously selected one.

The destination class must be prepared: `Symbol(s) Properties / Suppress Structure = false.`

Create a new class, give it a name and add the wanted stereotype. Drag and drop it from the containment tree into a class or property within the open diagram. Now you can name the property itself. The stereotype has to be set to the property, too.

Navigation diagrams: Insert access primitives (index, query, ..)

This (and the following) context-menu appears according to the configuration of MagicUWE. If this menu isn't displayed, first select the association and then right-click beside it, so that MagicDraw doesn't de-select it, because of that second click.

Select one or more association(s) to insert a new class of the selected stereotype between one and all other classes. It's necessary that all associations have the same end at one side.
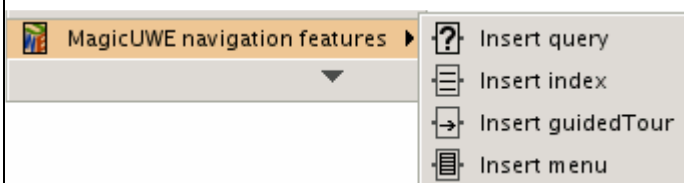
Some useful logic -according to the selected stereotype- for the multiplicities, the new class name, the names of the properties and the association type is included.

Create and draw a new class, give it a name, drag all association ends to this new class and create a new association or eventually a composition to the head class. Finally add the right multiplicities and names.

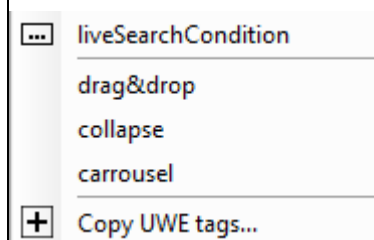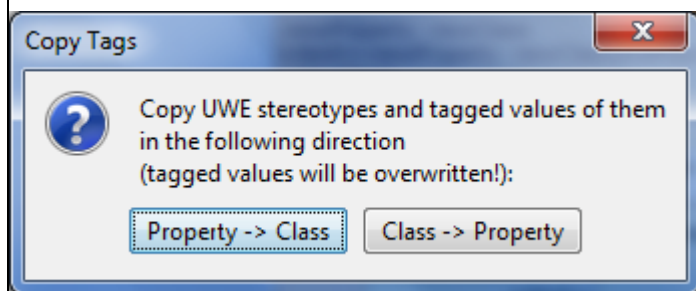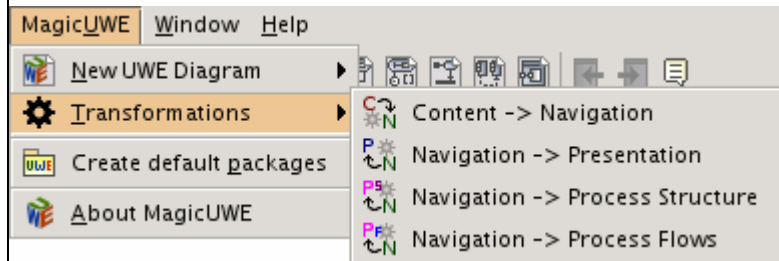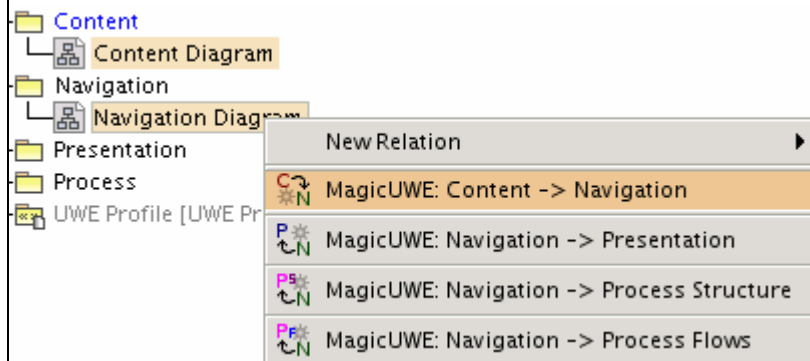|	

Navigation diagrams: Set tagged values
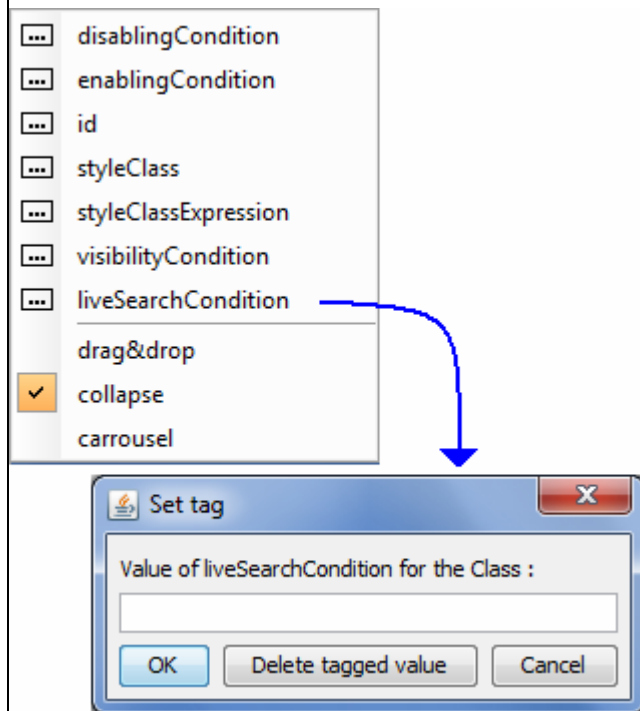 	
	`(right click on the element) /`
	`Specification / Tags / <<navigationNode>>`
	`isHome or isLandmark / create or edit`
	`value.`
	Be careful, a boolean with more than one value doesn't seem to make sense.
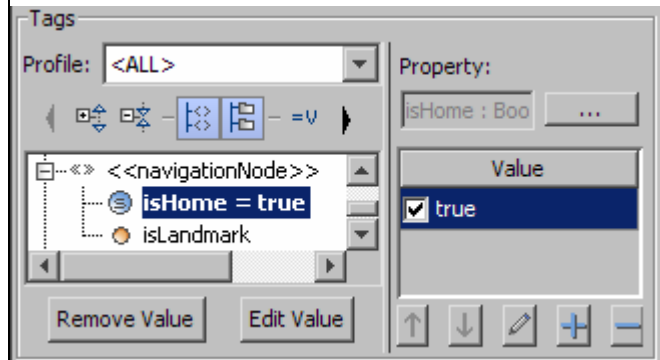
Presentation diagram: Set tagged values of Properties Tags of properties are set to the property itsself (not to the class). The menu "Copy UWE tags.." copies tags of the property to the associated class (or vice versa). 	In order to copy the tags manually, each stereotype and value has to be set equally to the source class/property.

Transformations	Content to Navigation
You can run all transformations from the menu **MagicUWE** Window Help 📝 New UWE Diagram ▶ ⚙ Transformations ▶	C→N Content -> Navigation P↺N Navigation -> Presentation P5↺N Navigation -> Process Structure PF↺N Navigation -> Process Flows 📑 Create default packages 📝 About MagicUWE .. and from the context menu of the containment tree: 📁 Content └ 🗠 Content Diagram 📁 Navigation └ 🗠 Navigation Diagram 📁 Presentation 📁 Process 🗠 UWE Profile [UWE Pr New Relation ▶ C→N MagicUWE: Content -> Navigation P↺N MagicUWE: Navigation -> Presentation P5↺N MagicUWE: Navigation -> Process Structure PF↺N MagicUWE: Navigation -> Process Flows If you select more than one diagram, each one which has the right UWE diagram type for the selected transformation will be processed.	Create a new class (in the Navigation Model) for each class in a Content Diagram and give the new class the same name and add the «navigationClass»-stereotype. Then draw all of them into a new Navigation Diagram (a class diagram). Now you can redraw all associations you need.
	Navigation to Presentation Create a new class (in the Presentation Model) for each class of a navigation diagram. Label the new class equally and add the «presentationClass»-stereotype.
	Navigation to Process Structure Draw each class with a «processClass» -stereotype of a Navigation Diagram into a new Process Structure Diagram. Don't create new classes!
	Navigation to Process Flow Create a new Process Flow (=activity diagram) for each processClass with a proper name of a Navigation Diagram. Label the new diagrams "class name"+" Workflow", so that you can see easily which activity belongs to a class with a "processClass" - stereotype.

Some further features like e.g. the link to the web page in the help menu or the about-box need no explanation. If you have questions, please write us an email!

Configuration of MagicUWE

Please have a look in the `MagicDrawHome/plugins/MagicUWE/MagicUWE.jar` file, you can configure the behaviour of the plugin in the `magicUWE/settings/MagicUWE.properties` file, which is located within the jar-zip-file.

There you can configure:

- the names of the UWE-Profile. First, MagicUWE searches for the UWE-Profile in the directory of the actual project. If this file does not exist, the one in the "profiles" directory of MagicDraw will be chosen.
- shortcuts for all UWE-Toolbar entries
- which presentation elements can be inserted as class or as property from the toolbar
- if the UWE "new diagram" menu is displayed as submenu in the containment tree (default behaviour)

Known bugs

- If you create a new diagram while drawing an association from the MagicUWE toolbar, an error will be shown and you should click "undo last action". This is a bug from MagicDraw-OpenAPI, not from the plugin itself.
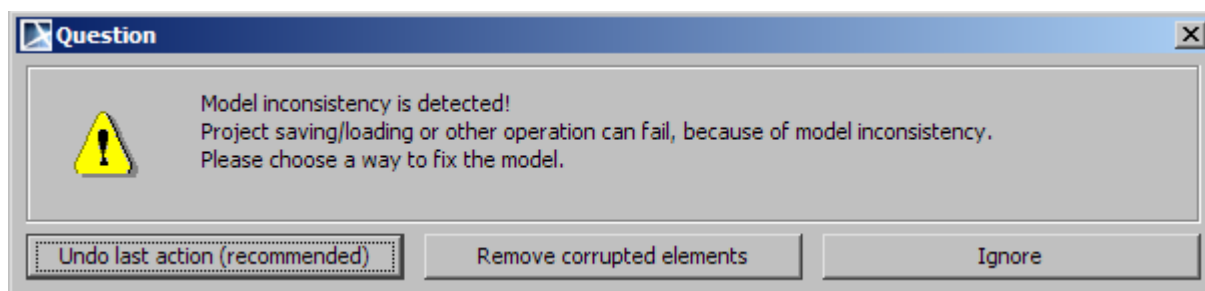
- Properties can sometimes be drawn in another class/property than that one which was selected. If you do that anyhow, the new class will be created and added to the properties of the previously selected class, but not drawn anywhere.
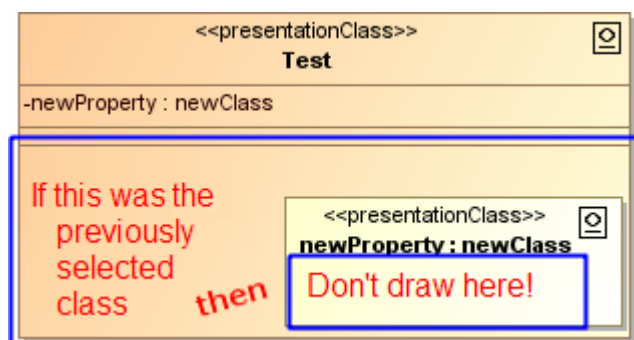
- After the insertion of an access primitive, the undo function of MagicDraw does not work properly. The original association is deleted from the diagram, but can still be found in the containment tree.