UNICASE VIEWS
A UNICASE EXTENSION

User Manual
Version 2013-09-03

Contents

1 Introduction

UNICASE[1] manages and saves knowledge items, such as diagrams, use cases and work packages using elements belonging to an EMF[2] model. These items are displayed in an overview tree using the ECP[3] navigator. As a UNICASE project increases in size and structural complexity, getting an overview over all instances of a specific type of knowledge item gets increasingly difficult. This is due to the fact that these items may be scattered throughout the project not only in different places, but also places of arbitrary depth inside the project's document structure.

In order to increase the clarity of the overview tree, it is then necessary to introduce a view concept for the ECP navigator, which will allow the user to specify the types whose instances he or she wants to have displayed in the navigator. The *UNICASE Views* plug-in provides just this functionality.

2 Using UNICASE Views

If you have installed and activated this plug-in, it will start automatically with UNICASE. You will see the *UNICASE Views* icon on the toolbar of the UNICASE navigator and the label displaying the currently active view in the bottom area of the navigator (see Figure 1).
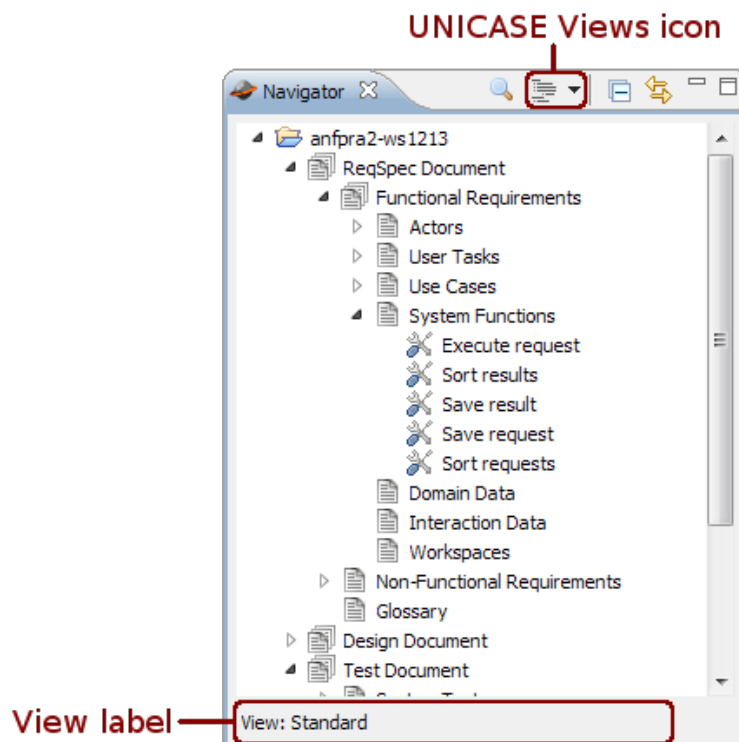

Figure 1: The ECP navigator in UNICASE with the *UNICASE Views* plug-in activated

---

[1]UNIfied CASE tool: http://code.google.com/p/unicase/
[2]Eclipse Modeling Framework: http://www.eclipse.org/modeling/emf/?project=emf
[3]EMF Client Platform: http://eclipse.org/emfclient/

Clicking on the arrow next to the *UNICASE Views* icon will open the view menu, which can be seen in Figure 2. The view menu allows you to apply the standard view or a user-defined view, open the manage views dialog and the show information dialog. The manage views dialog can also be accessed by clicking directly on the *UNICASE Views* icon.
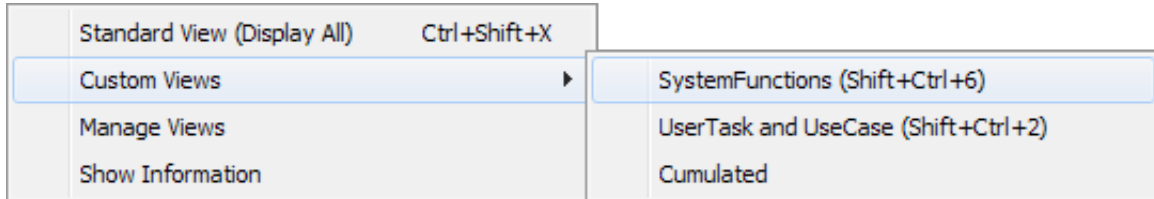

Figure 2: The view menu

If you start this plug-in for the first time, the standard view will be active and the *Custom Views* submenu will be empty. The standard view shows all items in the navigator.

2.1 Managing Views

All user-defined views can be managed using the manage views dialog, which can be seen in Figure 3. The left hand table shows all available views along with their name and author. To the right of the table is the list displaying the types in the selected view. Below the table is the field displaying the description for the selected view. Clicking on a view will select it and show the types and description for this view.
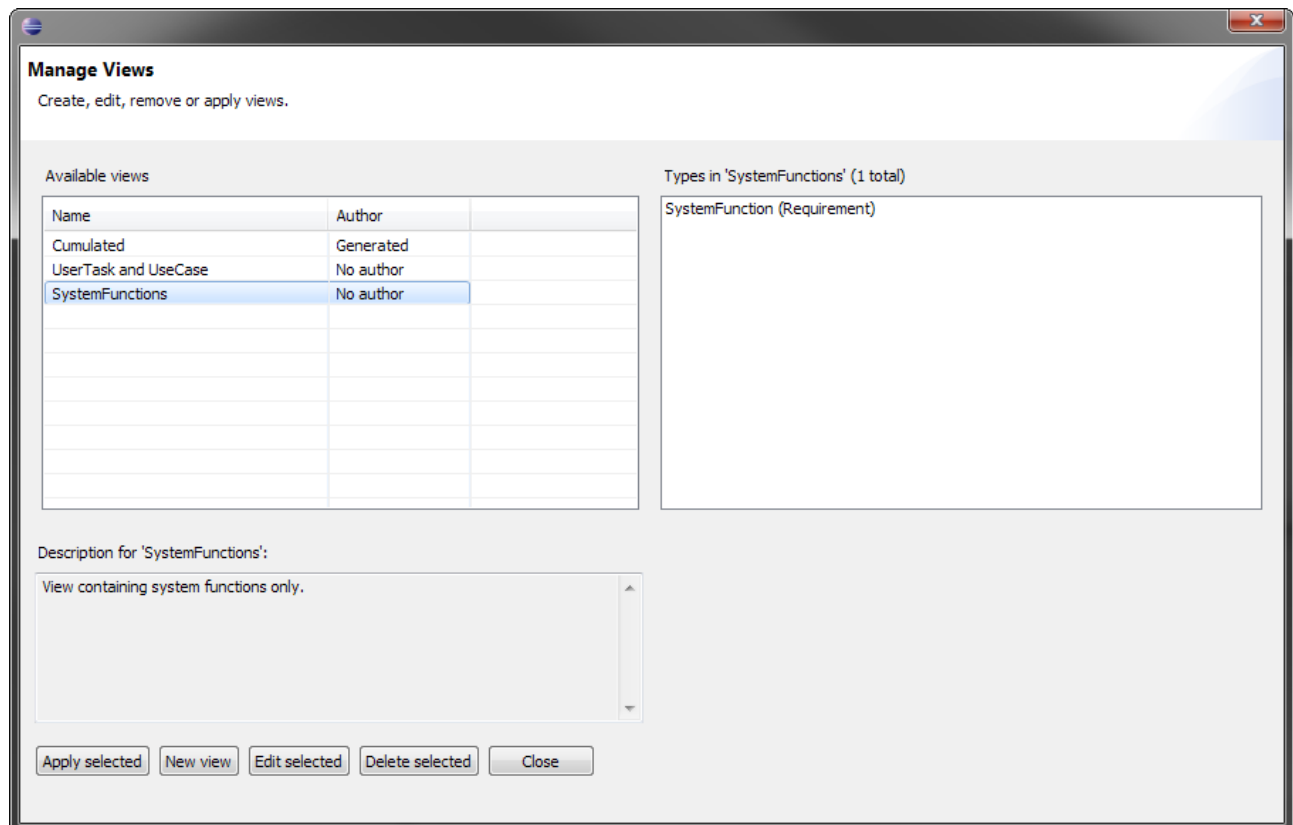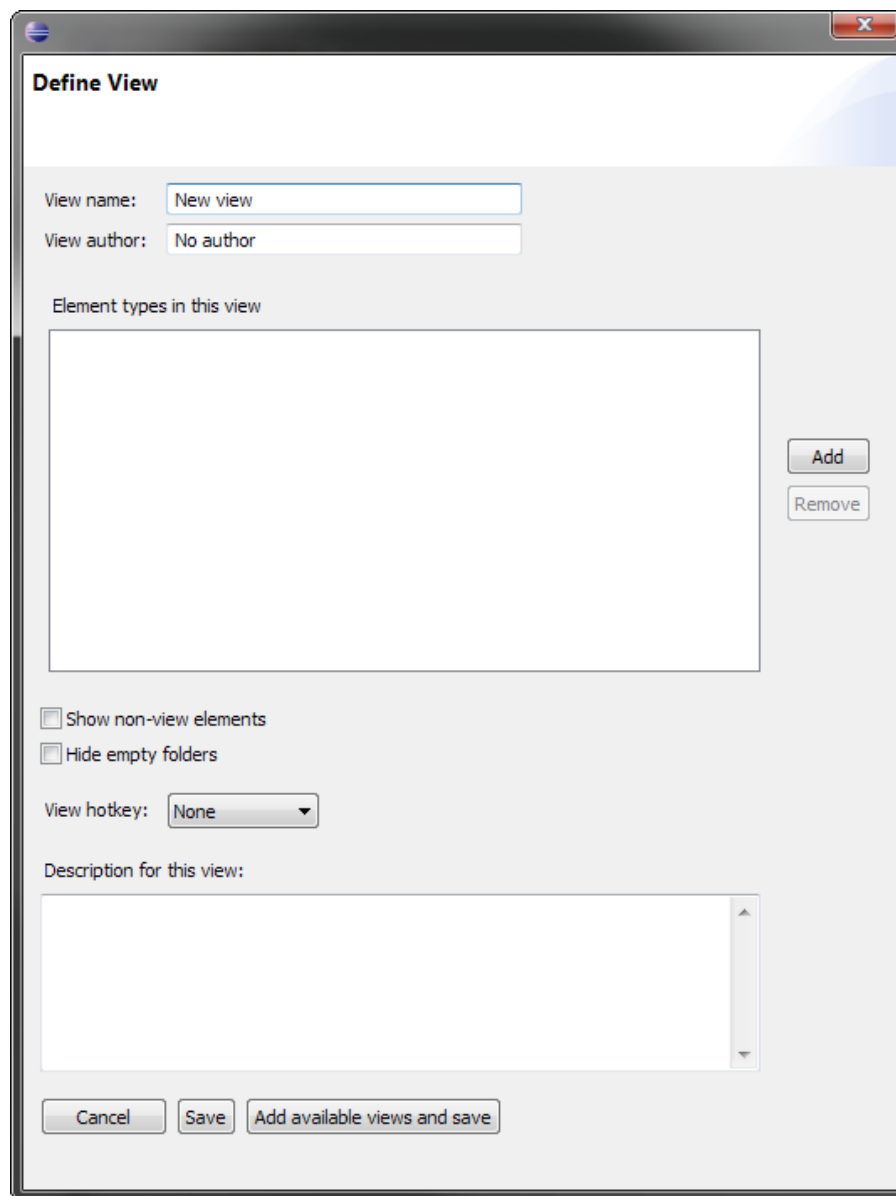

Figure 3: The manage views dialog

Right-clicking on a view will select it and open the view manager's context menu, enabling easier access to the functionality provided by the buttons in the bottom area of the manage views dialog. A view can be applied from within the view manager by clicking on *Apply selected*. A view can be created or edited by clicking on *New view* or *Edit selected*. A view can be deleted by clicking on *Delete selected*. Note that the "Cumulated" view cannot be deleted directly, as it is automatically generated. It will be deleted as soon as all user-defined views have been deleted.

2.2 Defining a View

The new view dialog can be accessed by clicking on *New view* from the manage views dialog. It can be seen in Figure 4.

Figure 4: The new view dialog

View name: the view's name. Note that the name must be unique. Reserved view names are "Cumulated", "Common Items" and "Standard".

View author: the view's author.

Element types in this view: the types of UNICASE items that are part of this view. Types can be added or removed by clicking either clicking on *Add* or *Remove* or using the right-click context menu. Clicking on *Add* will open the add types dialog, which can be seen in Figure 5.

Show non-view elements: if this is ticked, UNICASE items which are not part of this view and are opened in the editor will not be closed when this view is applied.

Hide empty folders: if this is ticked, folders which do not contain any view items at all will be hidden in the navigator.

View hotkey: the hotkey for the view. If a hotkey is defined for the view, it will be shown in brackets behind the view name in the view menu.

Description for this view: the view description.

Note that the same dialog is used when you edit a view by clicking on *Edit selected* in the manage views dialog. When editing a user-defined view, the option to combine the selected view with user-defined views with the *Add available views and save* button will not be available. When editing the "Cumulated" view, all options except for the *Show non-view elements* and *Hide empty folders* modifiers and the view hotkey will be unavailable.
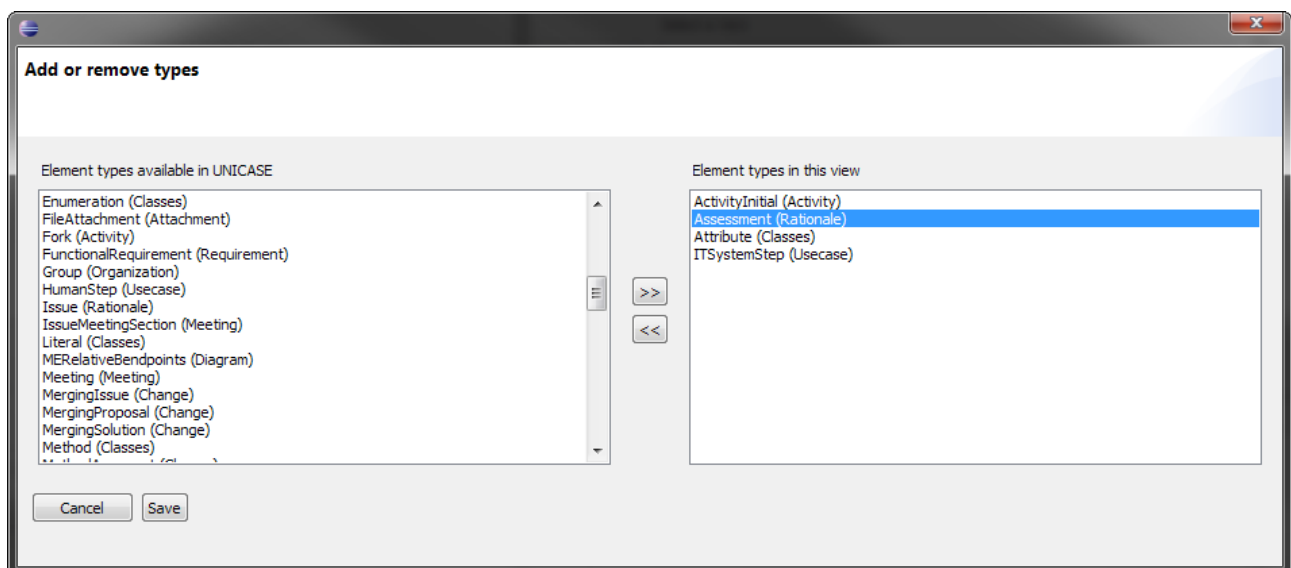
2.2.1 The Add Types Dialog

Figure 5: The add types dialog

On the left hand side of the add types dialog, the types which are available in UNICASE are displayed with their name and their package in brackets. On the right hand side of the dialog, the types which are part of this view can be seen. A type can be moved from one side to the other either by clicking on the appropriate button or double-clicking on the type.
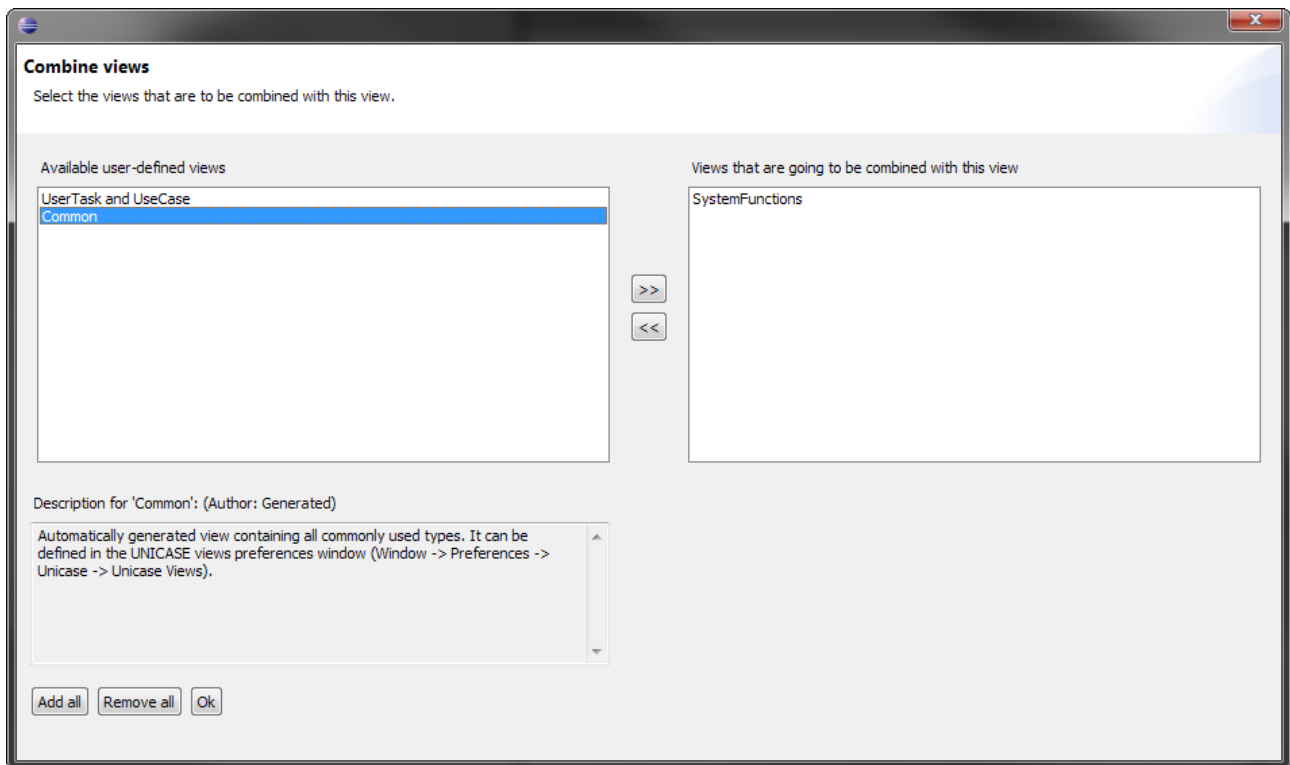
2.2.2 The Combine Views Dialog

Figure 6: The combine views dialog

The combine views dialog works just like the add types dialog (see Figure 5). Double-clicking on a view or clicking on the appropriate button will move the view from one side to the other. Note the "Common" view. This view is automatically generated and contains commonly used types. The types which are part of this view can be defined in the plug-ins's preferences window.

2.3 Applying a View

A view can be applied either by clicking on it in the view menu (see Figure 2) or pressing the appropriate hotkey, if one is defined.

2.4 Combining Views *on-the-fly*

If you have a user-defined view active and want to combine it with another user-defined view on-the-fly, you can do that by pressing Ctrl while clicking on the view you want to combine the active view with in the view menu.

Note that the combined view will be only temporary and will not show up in the manage views dialog; the view will be lost if another view is applied. Combining views on-the-fly does not work with the "Cumulated" or "Standard" views.

2.5 Showing Information

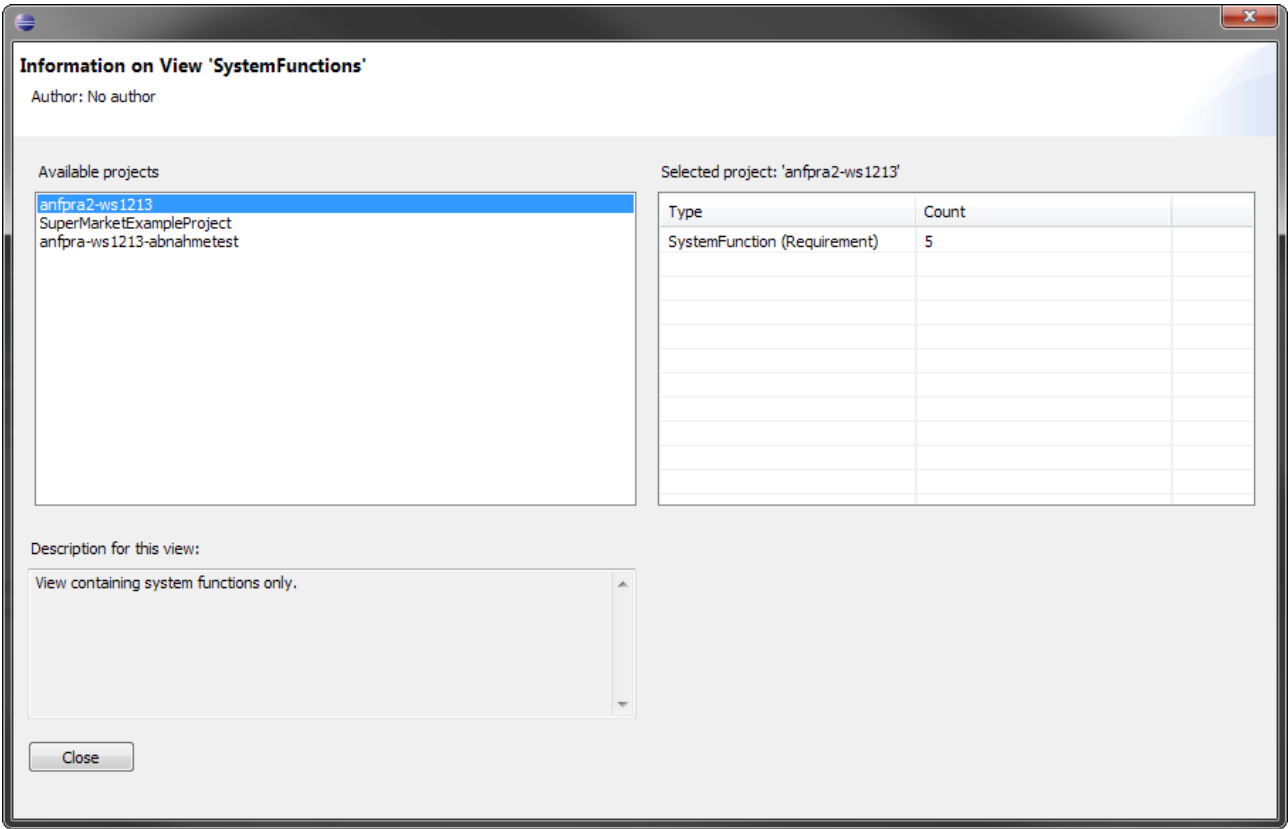The show information dialog displays information about the currently active view.

Information on View 'SystemFunctions'
Author: No author

Available projects

anfpra2-ws1213
SuperMarketExampleProject
anfpra-ws1213-abnahmetest

Selected project: 'anfpra2-ws1213'

Type	Count	
SystemFunction (Requirement)	5	

Description for this view:

View containing system functions only.

Close

Figure 7: The view information dialog

3 Setting up UNICASE Views

Global preferences for the *UNICASE Views* plug-in can be applied by accessing the plug-in's preference page in the Eclipse preference window (Window → Preferences → Unicase → Unicase Views). It can be seen in Figure 8.
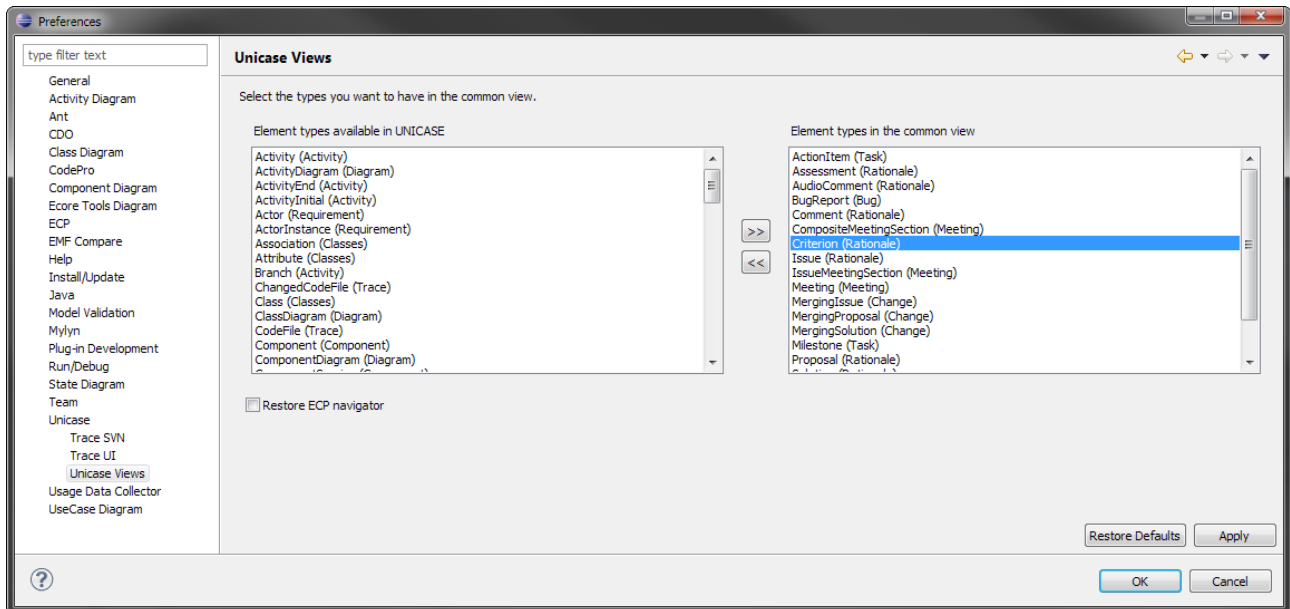

Figure 8: The preferences page

You can modify the types that are part of the common view just like in the add types (see Figure 5) and combine views (see Figure 6) dialogs.

Restore ECP navigator: if this is checked, the navigator's tree structure will be saved right before you apply a view and restored after you have applied it. If unchecked, the navigator will always be collapsed each time you apply a view. Note that restoring the navigator's tree structure might be slow for big projects.