Reverse Engineering with Omondo

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Version 1.0 – March 2005

Contenuti

- Creation of diagrams
- Editing diagrams
- Workarounds
 - Undetected associations
- Diagram export

Sample project

Package esempio



Creation of Diagrams

- Start Omondo "Reverse Engineering" feature
 - Analizes the source code and generates UML informations
- Create the required diagrams
 - Insert the classes
 - Show the associations
 - Select the methods and attributes to be shown

Reverse Engineering



Create a new Class Diagram

- New
 - Other...
- UML Class Diagram

Sew New
Select a wizard
Wizards:
🕀 🗁 Simple
🖻 🧀 UML Diagrams
JUML Activity Diagram
UML Collaboration Diagram
📲 UML Component Diagram
UML Deployment Diagram

Class diagram Parameters

	🔚 New UML Class Diagram 🛛 🔀
	UML Class Diagram
Name of the diagram file	Enter or select the parent folder: OrrandoTEst CommondoTEst CommondoTEst CommondoTEst CommondoTEst CommondoTEst CommondoTest CommondoT
Default package for the diagram	Advanced >> Package: esempio Brogse
	Select your dagram presentation mode : Ossociation Dissociation Dissociation Dissociation Dissociation
Deselect all to avoid a "spaghetti" diagram	

Diagram contents

- Select the classes from the default package to be shown in the diagram
 - Later you can add some classes or hide some others



Diagram

 The resulting diagram has no associations



Show Associations

- Right-click on a class
 - Associations; Show associations
 - Select the association to show



Select the Members to Show

Right-click on a class



Undetected Associations

- Omondo is not able to detect some kinds of associations
 - Typically those based on collections
 - Es. LinkedList sectionList;
- We need to redefine graphically the association.

Associations - StepByStep

- (Re)create graphically the association
 - Save the diagram
 - An error is found: duplicate attribute
- Remove (comment) the old attribute
 - Save the class
 - The association disappears from the diagram
- Show the association as described before

Association



Result

- A new attribute with the same name and type is inserted in the class
 - We need to remove the old attribute



Export a Diagram

- Deselect anything
 - by clicking on the diagram background
- Right-click on the background

Print	<u> </u>	Not
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Preferences	JPEG	free
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