An Overview of the EglDoc Tool

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Introduction

The purpose of this document is to provide an overview and a usage example of the EglDoc tool, which allows the generation of meta-model documentation that may be viewed in a web browser. The tool may be used to produce documentation for any MOF 2.0 (EMF) conformant meta-model. EglDoc may be downloaded from http://www.eclipse.org/gmt/epsilon/doc/examples.php

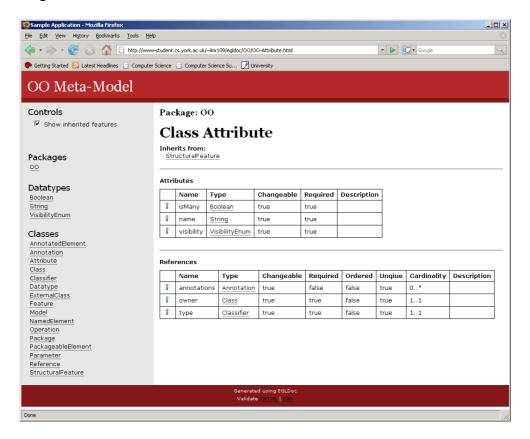
Generating documentation

In order to generate documentation, invoke the following command:

> java -jar EglDoc.jar MetaModelPath

Where the last argument is the path to the meta-model file from which documentation should be generated.

Once the command completes successfully, the current working directory will contain a number of html files. Each contains details of a package or classifier in the meta-model, and may look similar to the following when viewed in a web browser:



The sidebar to the left allows navigation between elements of the meta-model.

Controlling the Output Destination

The destination switch may be used to specify an alternative directory into which the documentation should be generated. For example, the following command may be used to generate documentation directly to the c:\web directory:

> java -jar EglDoc.jar -destination c:/web/ MetaModelPath

Using GraphViz to Generate a Class Diagram

EglDoc optionally supports the ability to generate a class diagram from input meta-models, which are then embedded into the documentation. In order to utilise this functionality, EglDoc must be able to invoke the dot executable, which is part of the GraphViz tool¹.

If GraphViz is installed on your system, documentation containing embedded class diagrams may be generated by using a command such as:

> java -jar EglDoc.jar -dot c:/Graphviz/bin/dot.exe MetaModelPath

Annotating Meta-Models for Richer Documentation

EglDoc supports annotation of meta-model elements, via the doc annotation. The details with the following keys can be interpreted by EglDoc:

Key	Applies To	Value	Description
description	EClass	Any text.	Provides a textual description of the
	EDataType		annotated element.
	EAttribute		
	EOperation		
	EReference		
	EEnumLiteral		
version	EClass	Any text.	Indicates the current version of the
	EDataType		annotated element. Equivalent to the
			Javadoc @version tag.
see	EClass	A comma separated list	Denotes those classifiers that have
	EDataType	of EClassifier elements.	documentation that is related to that of
			the annotated element. Equivalent to
			the Javadoc @see tag.

Page 2 of 2

¹ Graphviz may be downloaded from: http://www.graphviz.org/