EGF Exercices – EMF – UC3

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Understanding how to create and customize off-the-shelf EMF generations with EGF

Plugins

▶ org.eclipse.egf.usecase.emf.uc3

▶ Use the libray model and project in the org.eclipse.egf.usecase.emf.uc2 plugin

Prerequisite

▶ Read the EGF Tutorial

▶ Read the « reuse and customization » EGF tutorial

▶ Read the « EMF Generation Patterns » EGF tutorial

▶ Understand the « EMF-UC2 » use case in the org.eclipse.egf.usecase.emf.uc2

THALES

Problem Statement

▶ Write a factory component which aggregates the generation adaptations defined in the EGF/EMF/UC2 use cases. Moreover, produce a « readme.txt » file which identifies with a message the origin of the generation.

▶ Indications:

    ▶ Integrate, by pattern merge, the patterns implemented in the EGF/EMF/UC2 fcores

    ▶ Define the sequence of generation which use the merged patterns

    ▶ Define a specific task which writes the readme.txt file

Learning

▶ Integration of EMF customization independently written

▶ Use of a genmodel in task

Difficulty

▶ 3/5

Correction

▶ EMF_Library_UC3_1_StandardLibraryGeneration.fcore

THALES

Problem Statement

▶ Specialize the previous EMF Generation: redefine the generation of the « getFullName » operation.

▶ Indications:

  ▶ Replace the « getFullName » pattern (in the EGF/EMF/UC2_3) by a new one

Learning

▶ Creation of a new standard EMF generation

Difficulty

▶ 3/5

Correction

▶ EMF_Library_UC3_2_CustomizedLibraryGeneration.fcore

THALES