



 **EGF Exercices – EMF – UC3**
EGF 0.4.0

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

Correction of the exercices

- ▶ Download the org.eclipse.egf.usecase.emf.uc3.zip file from the [EGF wiki](#)
- ▶ Use the libray model and project in the org.eclipse.emf.examples.library.zip file

Prerequisite

- ▶ Installation of Eclipse 3.6 and egf 0.4.0
- ▶ Read the EGF Tutorial
- ▶ Read the « reuse and customization » EGF tutorial
- ▶ Read the « EMF Generation Patterns » EGF tutorial
- ▶ Understand the « EMF-UC2 » use case

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



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