



 **EGF Exercices – Generation Chain – UC1**
EGF 0.4.0

Benoît Langlois – Thales/EPM

Understanding how to use generation chains with EGF

Correction of the exercices

- ▶ Download the `org.eclipse.egf.usecase.generationchain.uc1.zip` file from the [EGF wiki](#)

Prerequisite

- ▶ Installation of Eclipse 3.6.x and egf 0.4.0
- ▶ Read the EGF Generation Chain Tutorial

Problem Statement

- ▶ Create a generation chain from ecore files and execute this generation chain
- ▶ The plug-in of the case study proposes two ecore files: library and mybookstore. The mybookstore model extends the library model.
- ▶ Guidance:
 - ▶ Select the ecore files and create a generation chain [File/New/Other.../EGF]
 - ▶ Adjust the generation properties – In this case, only mybookstore has the Emf editor value to « true ».
 - ▶ Open the new generation file model
 - ▶ Right-click on the generation chain element and apply the « Run Generation Chain » command
- ▶ Open the fcore file

Learning

- ▶ Understanding how to generate with a generation chain

Difficulty

- ▶ 1/5

Correction

- ▶ The generation chain is in the « bookstore.generationchain » file

Problem Statement

- ▶ Customize the getText method of the model edit generation
- ▶ For the case study, only the BookForSale class is concerned
- ▶ Guidance:
 - ▶ Follow the Memo for customization in the generation chain tutorial
 - ▶ The standard pattern is « ItemProvider.getText.override » in the « EMF Edit Pattern » factory component
 - ▶ For the execution, run the main factory component (« bookstore Launcher »)
 - ▶ In the plugin.xml dependencies, don't forget to add a dependency toward « org.eclipse.egf.emf.pattern » which contains the getText pattern

Learning

- ▶ Understanding how to customize a generation defined at the generation chain level

Difficulty

- ▶ 3/5

Correction

- ▶ Correction in the « org.eclipse.egf.chain.bookstore » plug-in / « bookstore.fcore »
- ▶ The pattern for customization is in the « mybookstore » factory component