GenModelAddon

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GenModelAddon

**OPCoach**

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- **Training/Consulting**: RCP, E4, Modeling, Build, given in French, English and ... Spanish
- [http://www.opcoach.com/](http://www.opcoach.com/)
- [@OPCoach_Eclipse, @OPCoach_Job](http://www.opcoach.com/en)

**MDD best practices**

- Separate the generated code and overridden code
- Do not commit the generated code
- Integrate the generation process to build
- Override the generated class using inheritance
- Generate a clean code: even if it is generated, it must be human readable
- Test generation with a default model


**genmodeladdon**

genModelAddon will help you to achieve this goals

- It provides a way to split the generated code into src-gen and src

➢ It manages inheritance, subpackages and referenced models
➢ It works with generics
➢ It initializes the factory override extension
➢ It uses the main EMF generation for the generated part (compliant with CDO)
➢ It produces all the classes in the developer part

genModelAddon is hosted here: [http://opcoach.github.io/genModelAddon/](http://opcoach.github.io/genModelAddon/)

It is fully written using E4 style [model fragments and injection]
How to install it?

Just look for ‘genModelAddon’ on the market place:
**How to use it?**

In your genmodel editor, right click on the root node:

![Screenshot of genmodel editor](image)

And then fill the dialog with relevant values:

![Screenshot of dialog](image)
In your code you can directly use your developer code:

```csharp
// MProjectFactory is the generated factory. It was used like this:
MProjectFactory mFactory = MProjectFactory.eINSTANCE;
MTask mt = mFactory.createTask();

// Now the ProjectFactory extends the MProjectFactory and
// creates instances of the developer objects. You can get it directly like this:
ProjectFactory factory = ProjectFactory.eINSTANCE;
Task t = factory.createTask();
```

**Some metrics**
- started in december 2014
- 59 issues (57 closed)
- 67 unit tests
- hosted on github
- used by several companies (Sogeti, Airbus, ...)

**How to be involved**
There is a slack channel to be informed about:
- new releases
- issue fixes
- general discussions about the project

During the conference:
- ask me a demo

After the conference:
- ask me questions: olivier@opcoach.com

You can get an example of generated code here:

https://github.com/opcoach/genModelAddon

in the 'example' folder. The model folder contains the model and the genmodel.