Contents

1 Assignment 3 - Code Generation (Acceleo)

1.1 Comments about the folder structure

```
.
|-- wizards.acceleo
|    |-- bin -- ...
|    |-- META-INF
|    |-- outputs
|    |    |-- components
|    |    |-- listeners
|    |    |-- main
|    |    |-- wizard
|    |-- src
|    |    |-- wizards
|    |         |-- acceleo
|    |         |    |-- common
|    |         |    |-- main
|    |         |-- impl
|    |         |-- util
|    |-- tasks
|-- wizards.ecore
     |-- bin -- ...
     |-- META-INF
     |-- model
     |-- src
         |-- wizards
              |-- impl
              |-- util
```

- `wizards.ecore` contains the metamodel (*wizards.ecore/model/wizards.ecore*) and an instance of the model (*wizards.ecore/model/wizards.xmi*)
- `wizards.acceleo` contains the code generator (*wizards.acceleo/src/wizards.acceleo.main/generate.mtl* & _wizards.acceleo/src/wizards.acceleo.common/*.mtl_)

1.2 Comments about the implementation of acceleo project

As the acceleo project was yelling at me for not recognising some packages (all of the model generated with ecore from the metamodel) I decided to copy them inside wizards.acceleo, and can be found under *wizards.acceleo/src/wizards*, *wizards.acceleo/src/wizards.impl* and *wizards.acceleo/src/wizards.util*. This fixed the problem (might have been solved with configuring some stuff in workspace, I don't know).

Under *wizards.acceleo/outputs* can be found the target folder (*outputs/wizard/.*) where the **Wizard.java** will be produced by running the **generate.mtl** file, and all the necessary files implemented to run the graphics (check *outputs/components*, *outputs/listeners* and *outputs/main*). The name of these java files is the same as the ones in the model generated from the ecore file but since they're on a difference package we don't care about it and simplifies the thing.

Hence, just one **Wizard.java** file is produced and will use the predefined java classes to build the GUI. Check the

demo video added for further info, but should be easy to follow and reproduce by:

1. Once the ecore file is supplied together with the model (**.xmi** file) don't do anything more in *wizards.ecore.*
2. Run the code generator in *wizards.acceleo/src/wizards.acceleo.main/generate.mtl* by right-clicking on it and running as acceleo application.
3. Run the main in *wizards.acceleo/outputs/main/Main.java* by right-clicking on it and running as Java application: this has been configured for the project in Run-configurations, but you can take all the code inside *outputs* and move it outside and execute it or right-click *outputs* folder –> *build path* –> Use as source folder.