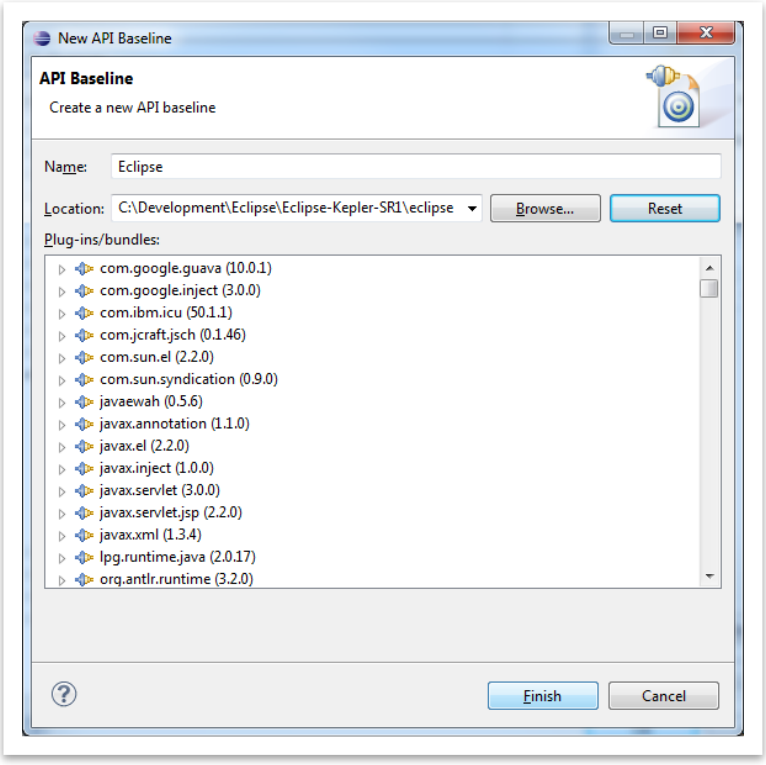
Tutorial: How to set up HenshinTGG

Overview:

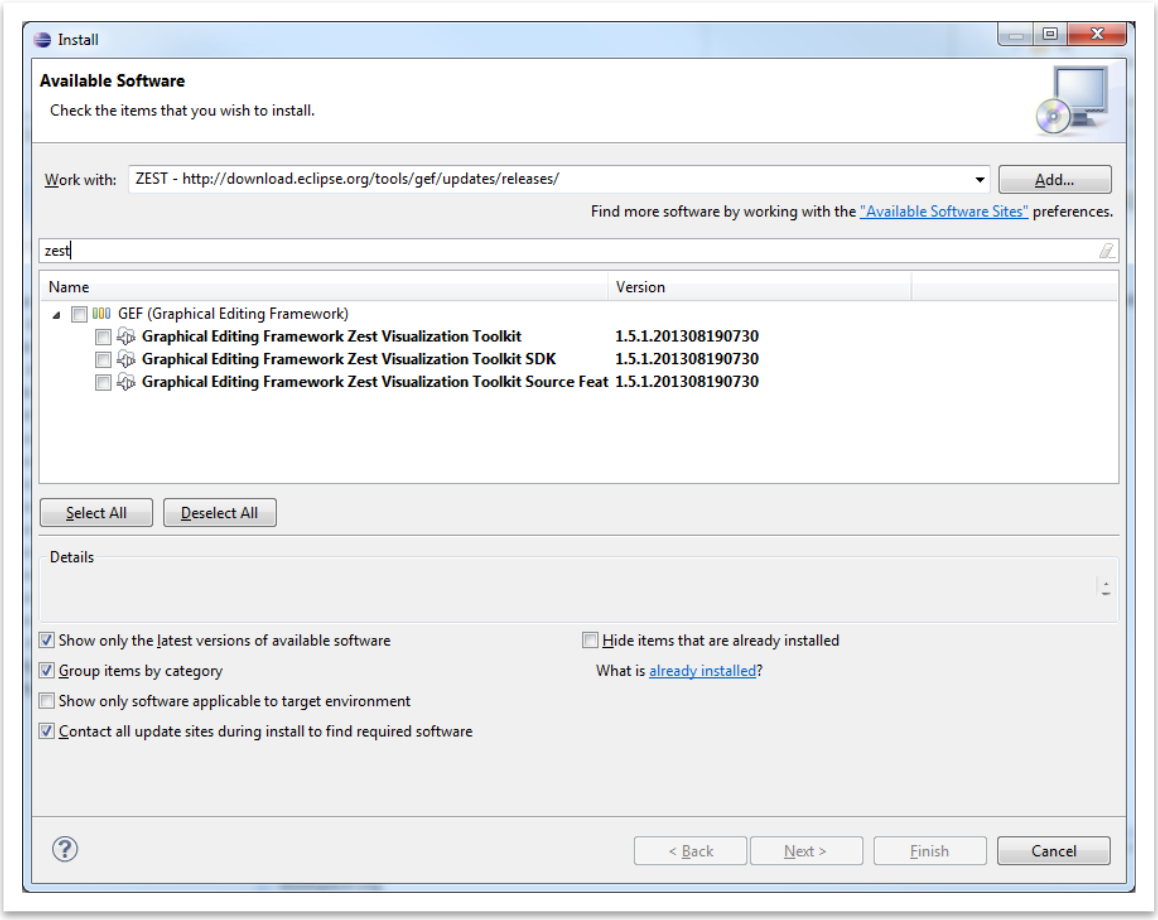
1. Setting up Eclipse
2. GIT
3. Starting HenshinTGG
4. Import an instance in HenshinTGG

1. Setting up Eclipse

- Install: “Eclipse Modeling Tools”
- Set API Baseline:
  Window->Preferences->Plug-in Development->API Baseline
  Add Baseline…
  Name: Eclipse
  Reset
  Finish

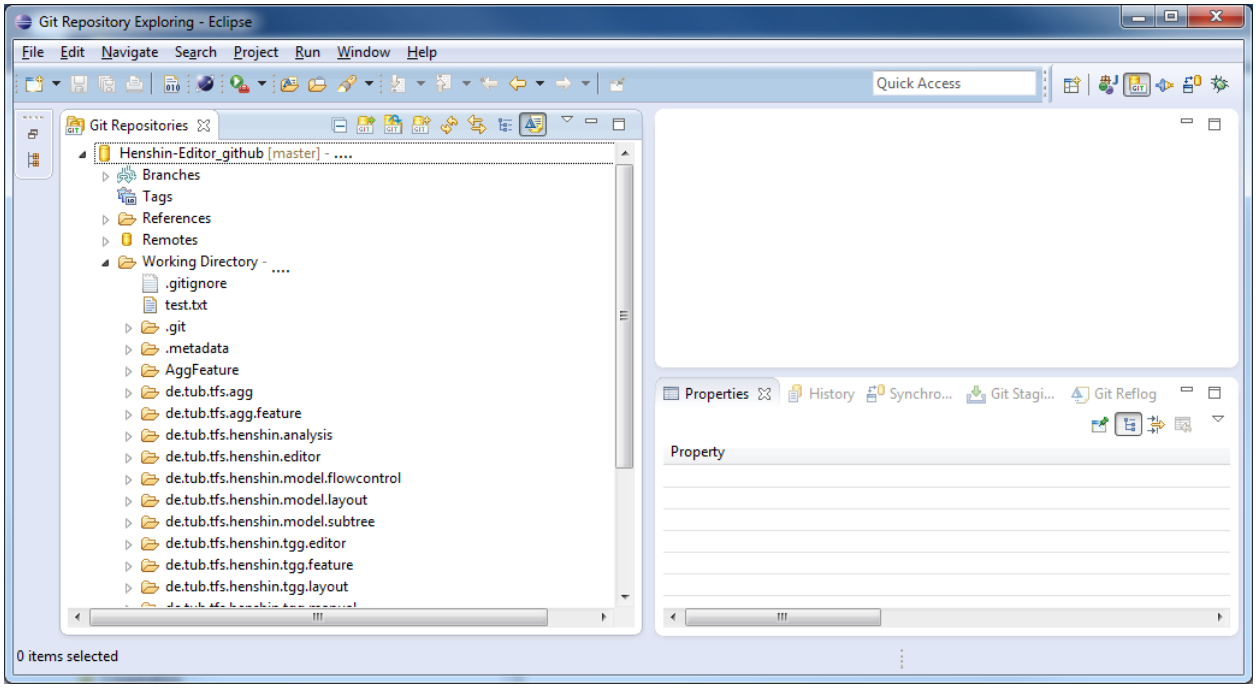


- Install ZEST (layouter plugins):
  Help->Install new software
  Work with: … Add..
  Update Site: ZEST - http://download.eclipse.org/tools/gef/updates/releases/
  Select ZEST



2. GIT

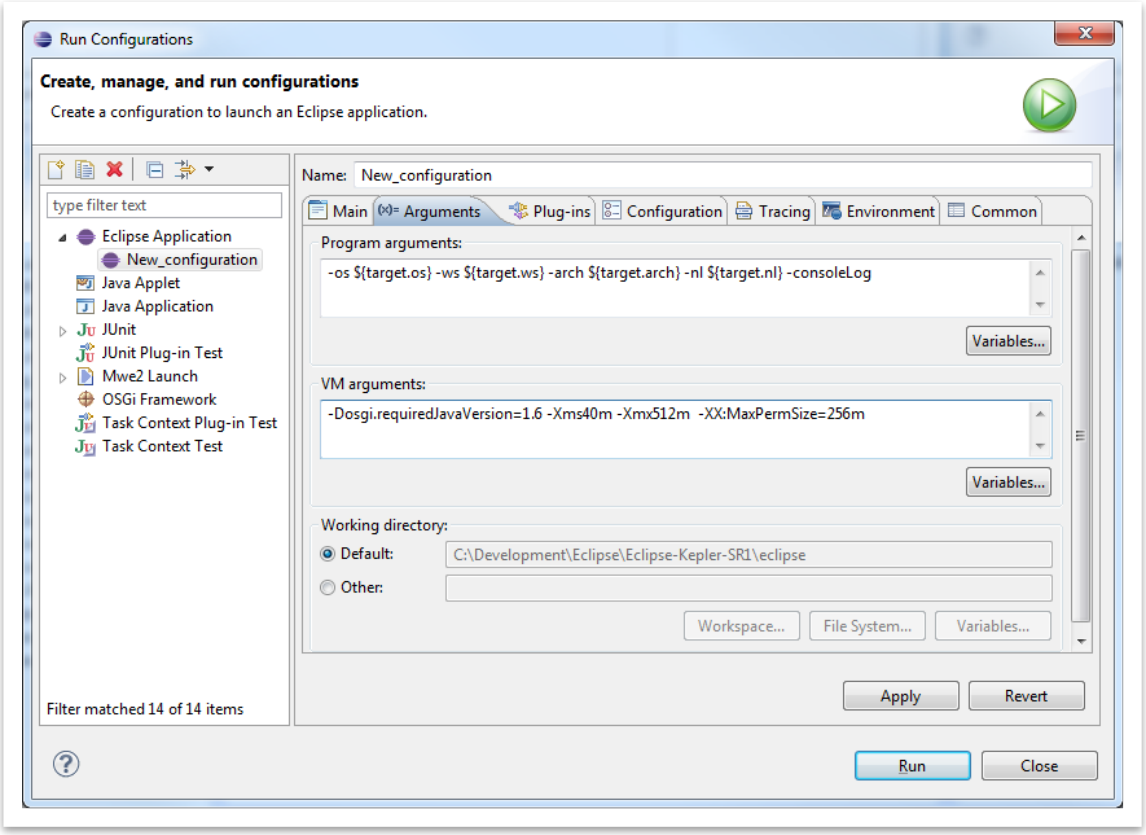
- Clone the GIT repository



- Check out all projects

3. Starting HenshinTGG

- Set up run configuration
  Run->Run Configurations…
  Double Click on “Eclipse Application”
  Arguments
  add VM argument “-XX:MaxPermSize=256m”
  Apply
  Run

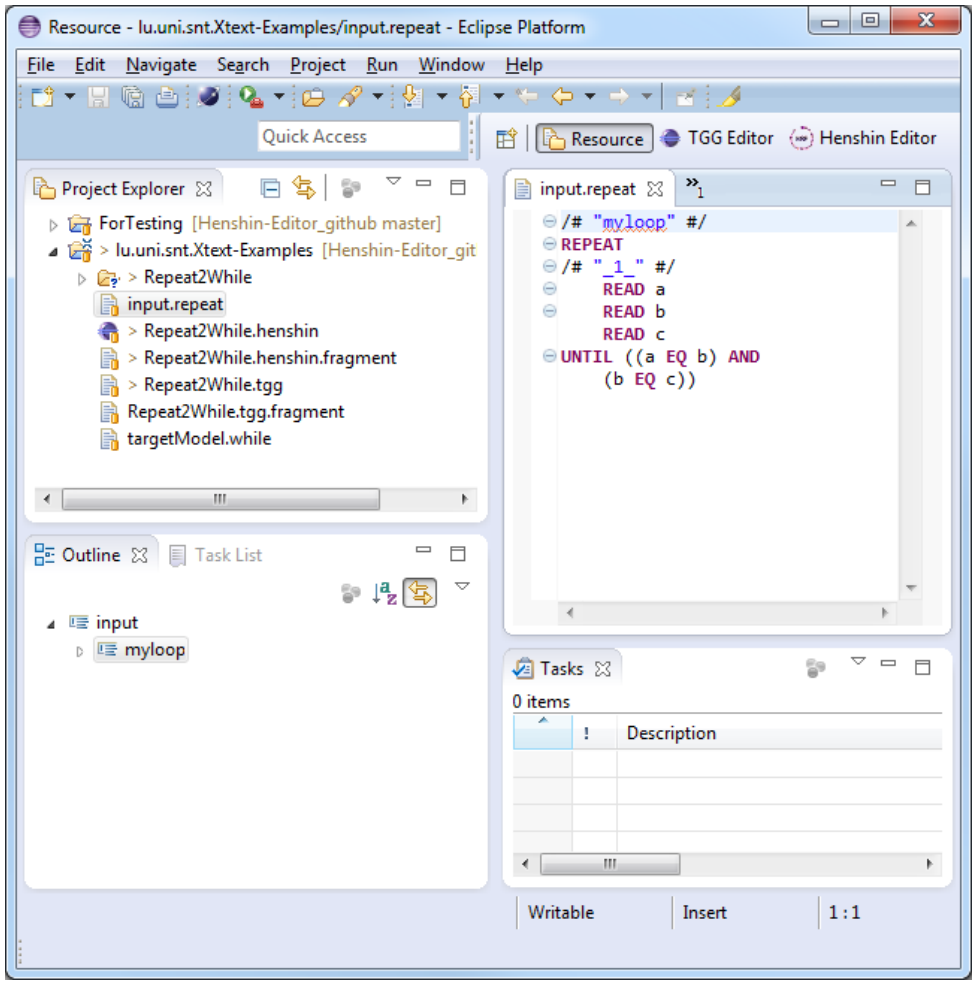


From now on, you just need to click on
Run->Run As->Eclipse Application
to start the runtime workbench with HenshinTGG

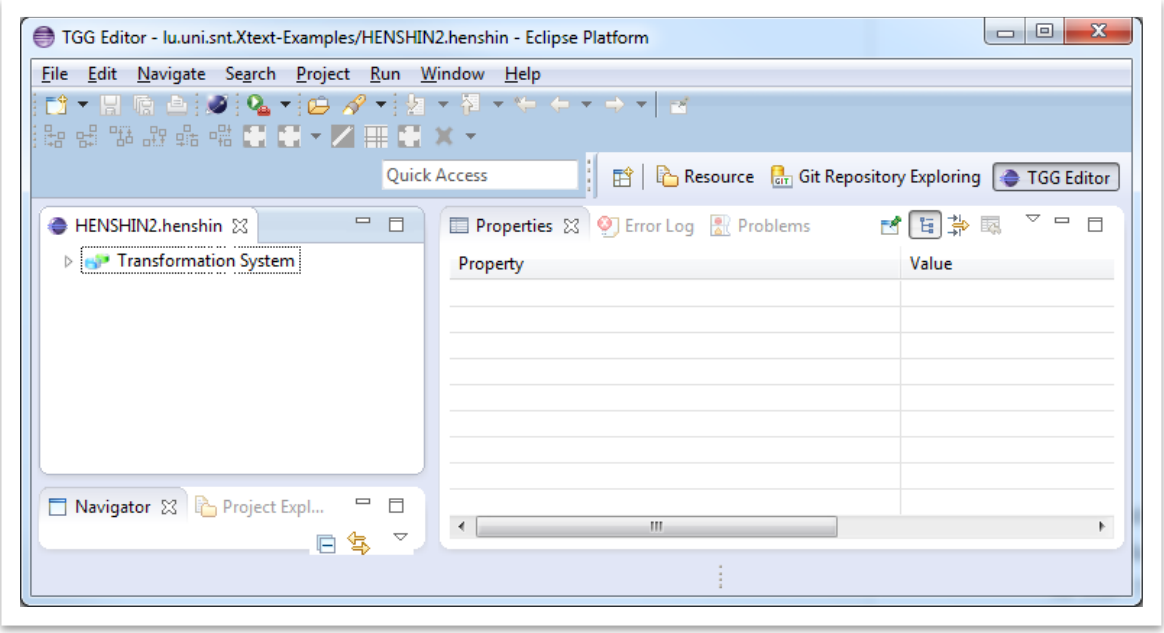
4. Import instance in HenshinTGG

- As an example, import the plugins under “de.tub.tfs.henshin.tgg.editor/Examples/Repeat2While” from your GIT repository.

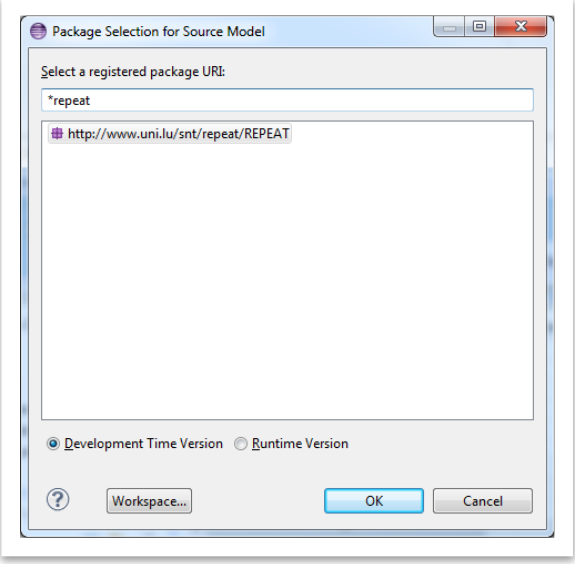
- In your runtime-workbench, you can now import an example TGG project “de.tub.tfs.henshin.tgg.editor/Examples/Repeat2While /lu.uni.snt.Xtext-Examples” (main file is the “.henshin” file)



Create a new Henshin file: New->Other->Other->TGG File Creation Wizzard

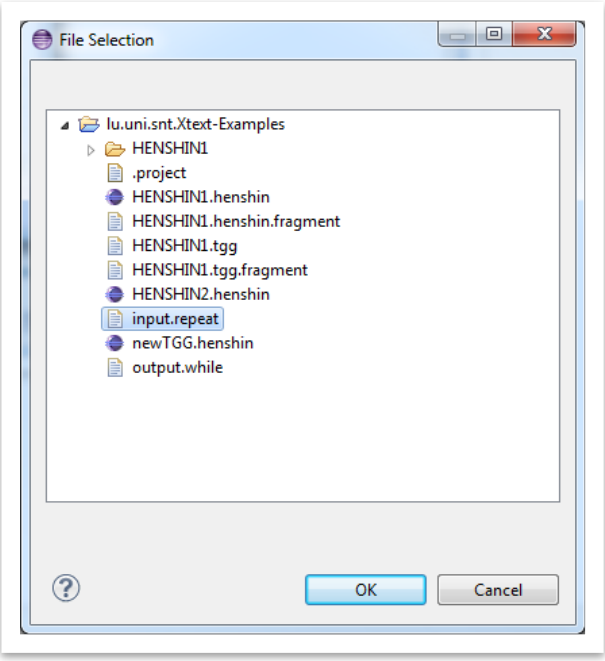


Import the meta model of your Xtext-DSL:
Click on “Imports”
->Import Source->
*repeat->OK



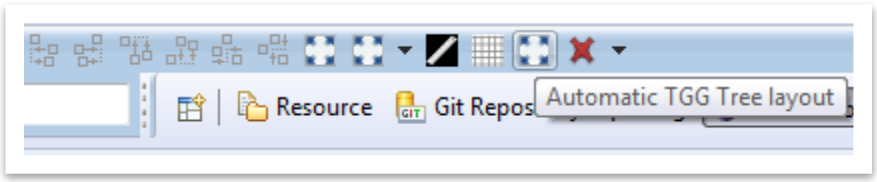
Import your Xtext-DSL file as graph in Henshin:
Click on “Graphs”

->Import an instance model.->Browse Workspace->select your file



Double click on the new graph

Click on “Automatic TGG Tree Layout”



You obtain a layouted AST of your Xtext-DSL-file