23 Final Exam Hand-In Specification

There is no report, but you are asked to extract elements from your project for easy scrutiny. If you prepared milestone hand-ins the last several weeks, you are almost done. Most of the work is just to compile them together.

Please hand in a single .zip file containing all project implementation. Additionally, the **top** level directory of the zip file has to contain a PDF file called **readme.pdf** containing (**in this order**):

1. *Title page* listing group number, group name, names and ITU email addresses of all group members

2. *An Example textual model* in your DSL (in concrete syntax). No commentary is expected.

3. *The Meta-model of your language (abstract syntax)*. Consider using several views, to improve presentation. No commentary is expected.

4. *Static semantics* (constraints, type system). If you have a type checker describe briefly how it works and present the key rules (functions). If you have constraints, include the entire implementation of the constraints in Xtend with comments explaining the intended semantics in English. No further description is needed.

5. *Xtext grammar of your language (Concrete Syntax)*. Just include the .xtext file. You can omit the top imports and other boiler plate, but we want to see all productions. No commentary is expected.

6. *Descriptions of back-ends*: the most relevant fragments of your back ends implementation with commentary (max 5 pages in total for both back-ends, *not* 10 pages). Describe briefly the architecture selected for the two backends (perhaps present an architectural diagram), and show the key aspects of implementation of both back-ends.

7. *Test methods and artefacts*: Hand in max 1 page description of your test strategy (half a page is recommended) plus max 3 pages of examples of test cases. All in a single PDF file.

It is a good idea to use the guidelines from peer-discussion sessions to improve the hand-ins.

Source code is easiest presented by copying from Eclipse and pasting into office (fonts, highlighting and layout are preserved then).

You should not try to cram a lot of information, using small font, etc. As a loose guideline please use single column format, roman (serif) font at least 11 pts, margins at least 2cm.