Compiler Construction 2013

Project - part one - Pretty printer

- Implement front end for Mini Java grammar
  http://www.cambridge.org/resources/052182060X/MCIIJ2e/grammar.htm

- Implement a pretty printer (http://en.wikipedia.org/wiki/Prettyprint) for the given Mini Java grammar that conforms to the provided test suite.

- The provided test suite specifies the pretty printer rules and is mostly for you to get a feel for the number of features you have implemented. It will be used by us to do an initial evaluation of your work, but we reserve the right to use additional test cases and other methods for grading. You are not allowed to modify the test cases in any way.

- Tools:

  - javacc (for scanner/parser generation) and Eclipse are obligatory
    http://eclipse-javacc.sourceforge.net/
  - JTB (for generation of concrete syntax tree and visitors) is optional.
    http://www.cs.ucla.edu/ palsberg/jtb/

- 14 days to complete this part of the project (by 29.03.2013 10:00h)

- Provide solutions (the zipped Eclipse project, including the parts provided by us) in the form cc-project-1-name1-name2.zip e-mailed to cc-staff@iam.unibe.ch. The subject of the e-mail should be cc-project-1-name1-name2. name1 and name2 refer to the names of the team members providing the solution.

- You are not allowed to use pre made files from the internet, all parts of the project solution should be the authors own work.

- Not all Mini Java features are required for passing the milestone, but parts of the following project milestones are dependent on the features tested in this milestone so you are encouraged to do as much as possible.