Axel Schreiner: "Online Language Processing Tools"
PLIG 2005/2006 Results
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Objective was to combine several web services and use them to support very interactive tutorial materials in various courses in computer science.

<http://www.cs.rit.edu/~ats/projects/lp/doc/wcs/package-summary.html> documents a new, unified implementation of the services. It is still hosted on the desktop machine in my office because a dedicated hand-me-down server provided by the department system staff turned out to be significantly slower.

<http://www.cs.rit.edu/~ats/projects/lp/doc/> is a tutorial on language processing which covers the basic steps and tool use for implementing interpreters, as well as the principles of code generation. Its interactive aspects are supported by the new service.
The tutorial has been used intensively in CS 4003.580/4005.711 in 2005-2 and it has served (almost) for self-study in CS 4005.710 in 2005-1, CS 4003.450/4003.709 in 2005-2 and (yet to come) in CS 4003.451/4005.713 in 2005-3. The notes for these courses are available (unfortunately only internally to RIT) on <Error! Hyperlink reference not valid.>; copies are hosted at <http://www.cs.rit.edu/~ats/lectures/>.

<http://www.cs.rit.edu/~rlc/Red/> is an initial set of Java tutorials, also supported by the service. The tutorials have been used for self-study in all sections of CS 4003.231 in 2005-1 by all instructors, led by Dr. Canosa, and they have been suggested for self-study in CS 4003.707 in 2005-2.

The new service has also been used to post interactive homework solutions in some of the courses mentioned above, and several student teams in CS 4003.580/4005.711 have posted their course projects using the service; all of this can be found within the course web sites.

documents a talk by Dr. Canosa evaluating the use of the Java tutorials. Both talks were given in the Languages for Lunch seminar in 2005-2. is a paper about the service and the tutorials which was accepted for the 2nd IEEE Upstate NY Workshop on Communications and Networking, 11/2005. There may be another paper for next year's SIGCSE conference.

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