Homework 4: Semester Project

In this homework you will finish your semester project.

The project portion of this homework is intended to be done in your project groups. Be sure to follow the process described in the course's grading policy if you work in groups.

1. (200 points) Finish your semester project, which should involve at least 3 static analysis questions that are combined to accomplish some task. Turn in enough so that we can understand what you have done. Appropriate overview and/or comements will be helpful. Hand in your source files (but no generated files!). Be sure to include testing as well.

   We recommend that you use JastAdd (see `http://jastadd.org`). For working with JastAdd, you should read the on-line documentation, especially the reference manual. Also, it's useful to start with an existing JastAdd sample project (see `http://jastadd.org/projects`), such as PicoJava, and modify it to suit your language.

   You can use our WHILE language as a sample project also. The Unix command for anonymous checkout is:

   ```
   svn checkout http://refine.eecs.ucf.edu/svn/proganalysis/WHILE/trunk WHILE
   ```

   and the URL `http://refine.eecs.ucf.edu/svn/proganalysis` can be used with tools like Eclipse, but check out the WHILE/trunk if you are working with Eclipse. We also make available a snapshot of the project in `http://www.eecs.ucf.edu/~leavens/WHILE.tgz`.

2. (50 points) Present your project and its implementation to the class on either April 15 or 17. You can have up to 20 minutes to present your project and answer questions about it. To allow time for questions, your presentation should be planned for only 15 minutes. You can use the whiteboard or computer projection to assist in presenting your work.