

Assignment 11

15-413: Introduction to Software Engineering
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Out: Monday, November 21, 2005
Due: Presentations on December 5 and 7

50 points total

This assignment is a group assignment. Each project group should prepare a single presentation, with all the names of the group members.

The goal of this assignment is to try out an analysis tool and reflect on the experience. You are encouraged, but not required (it may be difficult for the Python project), to apply the tool to your project. If you do not apply the tool to your project code, use some code from the web or from your own past projects (please run the tool on something *other* than the examples provided with the tool). Choose a tool from the course website:

<http://www.cs.cmu.edu/~aldrich/courses/413/tools.html>

You may also choose a different software engineering analysis tool with the permission of the instructor. The expected scope of this project is around 5 hours per student; plan your work accordingly.

Note: This assignment is a shortened version of a project that has been done in other courses. You can read about students' experience with tools in previous years (which in some cases includes hints on using some of the tools) at:

<http://www.cs.cmu.edu/~aldrich/courses/654-sp05/tools/>

Note that we are not asking you to write a report, only give a presentation; nor is your work expected to be as comprehensive as the projects on this page, because you will not have as much time to devote to the project. So look at this as informational only, not as setting the expectation for this class.

1 Presentations

You will present your experience with the tool in class on December 5 or 7. Each group will prepare a presentation approximately 12 minutes long (we'll add 3 minutes of questions to make 15 minutes per group). The presentation should (a) briefly describe the tool or analysis technique; (b) describe how the tool or technique was applied, and give a summary of lessons learned, including the (c) benefits, (d) drawbacks, and (e) scope of applicability of the tool or technique. As time is limited, you will need to pick which topics to emphasize in your presentation, but please include something for each of (a)-(e) above.

The presentations will be graded both on content (what you did) and clarity of presentation.

Email your presentation to both the instructor and the TA by 11am the day that your presentation is due. Either PDF or PPT format is fine.