CSC207 2013F, Class 02: An Introduction to Java Development

Overview

- Admin.
- Clicker Questions.
- Tools for programmers.
- Lab: Eclipse.
- Lab: Git and Eclipse.

Admin (way too much)

- Today is basically a "introduction to lab equipment" class. You’ll be configuring and playing with Eclipse and git.
- Reminder: Even if you’re not a CS major (and not planning a CS major), you can be on the csstudents mailing list and you can participate in CS Table. Email me to get added to the mailing list.
  - CS Table meets Fridays at noon in JRC 224A (the Day PDR)
- With over sixty surveys in between my two classes, I didn’t have time to respond to all of them yet. (If I’m lucky, I can respond to a survey in 10 minutes. Sometimes it’s fifteen. Do the math.) Give me a few days.
- I don’t know if you care, but today’s labs took me four hours to revise (from what my students had written). I may not be able to keep up that pace, which means that some classes will switch from lab to lecture and some readings will, well, just not exist.
- I should have homework 2 ready by Wednesday.
- Although the Git reading focused on command-line Git, the lab will focus on using Git with Eclipse. (Just a heads up.)
- If you have time, please fill out the evaluation form for today’s labs and reading, available at http://bit.ly/csc207-2013F-eval-git.
- A silly question: In what order would you like the "Current" links at the top of each page?
- Reminder: Sign up for the second-year science retreat (assuming that you’re a second-year science student).
  - Talk to Prof. Davis or Prof. Gregg-Jolly if you didn’t get info.
- Readings for tomorrow: An Introduction to OOD; An Introduction to Java.

Clicker Questions

- We’re experimenting with the use of Clickers in CSC 151. We will also use them in this class, although less frequently.
- Eclipse features ...
• IDE Feelings ...

• Comments
  ○ Easier than hands
  ○ Faster than Sam’s patented "Round Robin Recitation"
  ○ Gets people talking

Tools for programmers

• Programmers use programs that help them program. Such as ...
  ○ Compiler - Translates code into executables & checks for syntax error
  ○ Editor - Let you write your code (in nonsequential fashion)
    ● Lets you see and organize your code
    ● Indent code according to some plan
    ● Simple syntax checking, such as balanced braces/parens
    ● Work with multiple files
    ● Syntax highlighting
    ● Quick navigation
  ○ (Language - A tool for expressing your algorithms, and a set of restrictions that help you think.)
  ○ Debugger
  ○ References (often accessible via a browser)
  ○ Make - automating build processes
  ○ Source code management system

• IDEs

Lab: Eclipse

• Yes, it’s okay if you work on your own computer. Some instructions may be a bit different.
• Jordan says to use Gnome, even though it looks much different.

Lab: Git and Eclipse

_We’ll do the Git labs tomorrow._

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