

AP Computer Science Conventions & Project Logistics

A decorative graphic at the bottom of the slide features a horizontal band with a gradient from orange to grey. The band contains binary code (0s and 1s) in a light grey color. To the right of the band, there are several overlapping circles in shades of orange and grey, creating a stylized, abstract design.

Adapted from Ms. Martin's "Code Conventions & Logistics" slides by Mr. Bergquist, September 2011

Why coding conventions?

- 80% of the lifetime cost of a piece of software goes to maintenance.
- Hardly any software is maintained for its whole life by the original author.
- Code conventions improve the readability of the software, allowing engineers to understand new code more quickly and thoroughly.
- If you ship your source code as a product, you need to make sure it is as well packaged and clean as any other product you create.

No sloppiness allowed!

The PC Weenies™



Bob's "tough love" approach would eventually force Milton to give up his bad programming habits.

The PC Weenies, all characters and likenesses thereof
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[Our APCS Coding Conventions](#)

<http://www.garfieldcs.com/2011/09/apcs-coding-conventions/>

Project 1: Song

Highlights:

- Use Static methods, only printlns – No println in main
- More syntax practice
- Graded on
 - external correctness -- output looks right
 - internal correctness -- methods capture structure
 - style -- follows coding conventions
- Due next Thursday 9/20 (warning I leave at 3pm)

Logistics

- Give me username and password in survey today

CS AP Homework Turnin

Name:

First

Middle

Last

Email Address:

 @ gmail.com

Tab Size Setting:

(how many characters wide is a tab in your editor? jGRASP's default is 3)

File(s) to Turn In

Song.java No file chosen

Your file name(s) must match the ones above exactly, including capitalization.

- You can submit **as many times as you like**; the last one submitted will be graded.
- When you submit the program, you should see a **"Turnin Receipt"** page. If you do not see this page, we did not receive your files, so try again or contact your instructor/TA.
- Please read the receipt page carefully to see if your program has any compiler **errors**. If so, you should fix the errors and submit your program again.

Reminder: late policy

- 6 "free" late days for the year you can use a maximum of 3 on one assignment.
- After that, it's -10% per additional day (ouch)
- Can turn in up to 5 days late, after that 0!!
- Why? So we can review assignments and move on. This is a fast paced class and I want to provide prompt feedback.

Academic integrity

- Do talk about concepts and conventions
- Take a break after talking before coding
- Copied code is very easy to spot!
- Never talk in Java
- Never show your assignment code to others, but feel free to look at exercises together!

Right now

- An optional Structured Decomposition Demo...
- In the Lab, work on the Methods & Decomposition Worksheet & show me your cookie decompositions
- Review Project 1
- Ask questions
- Fill in our AP CS class survey please
- Later we will start looking at Expressions & Variables.