

# AP Computer Science Conventions & Project Logistics

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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](#)

# Project 1: Song

## Highlights:

- Use Static methods, printlns only – 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 9/22

# 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 4 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 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
- Fill out survey linked from the website
- Review Project 1
- Ask questions
- When Mr. Carpenter's class needs the lab, we will look at Expressions & Variables.

