

# Java Programming Course Overview

Spring 2006

# This is a Programming Course!

- No tests
- Lots of projects.
  - 1 trivial homework (HW#1) 10%
  - 5 or 6 programming assignments 10% each
  - 1 application development 30%
  
  - Projects will be (typically) due 10 days after assigned.

# Texts

Just Java 2 (6<sup>th</sup> ed).

We won't do anything that *requires* this book, but we will be using Java 5.0.

There is a online book that is very good, but doesn't cover Java 5.0:

- Thinking in Java 2<sup>nd</sup> ed. (free on the WWW).

Sun has many tutorials (available on the WWW).

[java.sun.com](http://java.sun.com)

# People

Instructor: Dave Hollinger. *(Dave)*

Amos Eaton 110

T.A.: Saeed Salem

Office Hours, email addresses are on the  
course home page.

# Course Information

- Home Page:

`www.cs.rpi.edu/~hollind/javapro`

- Lecture Notes
- Links to Java Resources
- FAQs
- Assignments
- Java Jokes

- WebCT:

- Grades
- Message Boards
- Homework drop box.

# Software

- J2SE 5.0 is required!
  - Operating System doesn't matter!
    - we'll see...
  - Your favorite text editor and a shell
- or-
- eclipse: full IDE (like Visual C++)
    - `http://www.eclipse.org/`

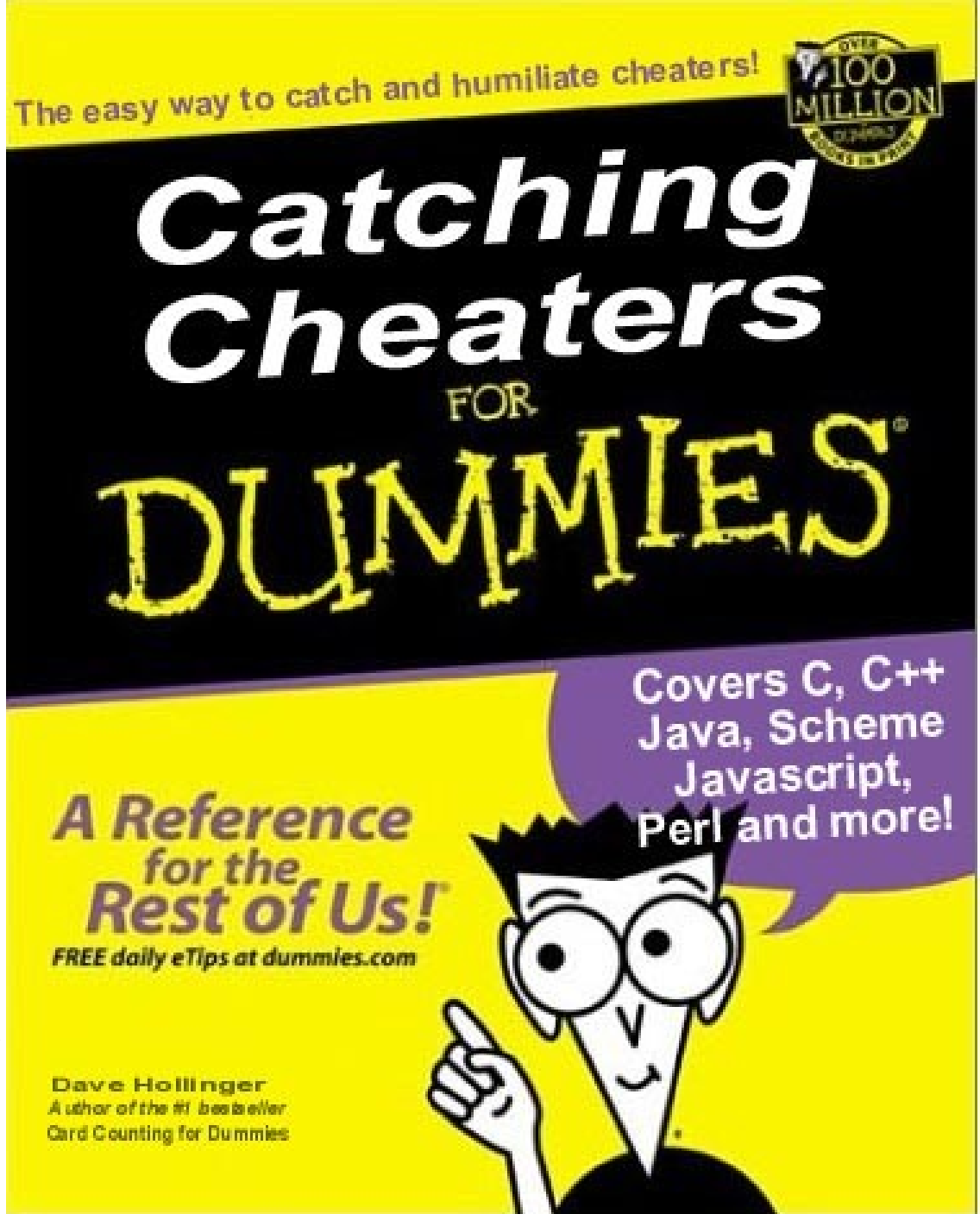
# Academic Integrity

- All programming is to be done alone!
- Do not share code with anyone else in the course (looking at code counts as sharing)!
- Sophisticated code-comparison systems will be used to catch cheaters!
- Minimum penalty is 2 letter grade drop for the course for everyone involved.

# Dave's hobbies

- catching cheaters.
- penalizing cheaters.
- flunking cheaters.
- video taping cheaters crying and begging, so Dave can create the greatest video podcast in the world.

Dave wrote the book on catching cheaters!



# Where to go for help

- You can discuss projects with anyone!
- Feel free to send your code to Dave and/or Saeed and ask us for help.
- Bring your code to office hours (and a bag of cookies).

# Topics

- Getting SDK running.
- The Java language
- OOP in Java
- I/O
- Threads
- Standard Java Library
- Collections
- Network Programming
- GUI Programming
- XML
- Web Programming

# Homework

- Submission will be electronic (via WebCT).
- You need to follow the instructions!
- Late penalty: 1% per hour.
  - according to the time WebCT thinks it is when you submit.
- No debugging output (unless we ask for it)!
- Pay attention to the assignment, many projects will be graded by a program (an unforgiving, inflexible program).

# Code Documentation

- Java has a nice facility for creating documentation directly from code.

*Javadoc*

- This will be required for all code you write!
  - you just need to put comments in your code according to a specific format. More on the format later...