Welcome to 4003-232
Computer Science 2

Plan for this class

- Logistics
  - Syllabus & Ground Rules
  - Student Info Forms

- Something to think about for next class

Logistics

- First things first.
  - Official Course Web site
    - http://www.cs.rit.edu/~cs2
      - Syllabus
      - Schedule
      - Projects / Labs
  - My CS2 Web site
    - http://www.cs.rit.edu/~jmg/cs2
      - Notes from class (including copies of slides)
      - Code discussed in class

Logistics

- Textbooks
  - *An Introduction to Object Oriented Programming with Java*, by C. Thomas Wu
    - Book used in CS1
  - *Modern Software Development Using Java* by Paul Tymann & Michael Schneider.

Logistics

- Prerequisite:
  - 4003-231: Computer Science 1

- This course will pick up where CS1 left off.

Logistics

- About Me
  - Joe Geigel
  - Office: 70-3527
  - Office Hours: MTW 2-3 (or by appt)
  - http://www.cs.rit.edu/~jmg

Logistics

- Grading:
  - Four basic course activities:
    - Exams   30%
    - Final Exam   30%
    - Labs   20%
    - Projects   20%

Logistics

- Exams
  - There will be 2 mid-quarter exams:
    - Exam 1: Jan 7th
    - Exam 2: Feb 4th
    - No makeup exams except for extreme circumstances.
    - Dates subject to change
  - There will be a final (comprehensive) exam
    - Given during exam week. Date TBD.
    - No makeup exams!

Logistics:

- Labs
  - Hands on programming projects
  - 10 labs/ 1 per week
  - Labs are due 2 days prior to next lab session
  - You may submit labs as often as you like up to the due date without penalty
  - Labs are worth 30 points, lowest is dropped.

  - <u>Read labs before coming to lab sessions!</u>

Logistics

- Projects
  - There will be 2 assigned projects
    - Larger problems to be solved outside of class and lab
    - 4 weeks to complete each
    - Must submit & meet minimum reasonable effort requirement for each, else <u>you receive an F for the course</u>
    - Lots more details when projects are handed out

Logistics

- Schedule
  - Posted on SCHEDULE section of Official Course Web site
  - Subject to change, but indicates the best guess as to what will be covered when
- Diary
  - Posted on my CS2 Web site
  - Running list of what was actually covered when
  - Includes links to these slides (in PDF)
  - Updated after each class.

Logistics

- CS Dept Policy of Academic Dishonesty
  - Included in hardcopy syllabus and student info form
  - Please read and understand.
- Speaking of student info forms
  - Any questions before I hand them out?

Logistics

- E-mail addresses
  - Is yours correct in LDAP database?

- Changing your LDAP e-mail address

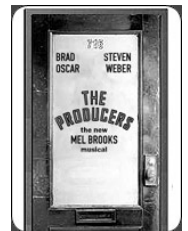---

So what is this class all about?

- Picks up where CS1 left off
- Java is still the language used

So what is this class all about

- Topics
  - Inheritance
  - Exceptions
  - Streams & Files (character I/O)
  - Recursion
  - Algorithms
    - Analysis of Algorithms
    - Searching / Sorting
  - Data Structures
    - Trees
    - Hash Tables
    - Linked Lists
- Questions?

Something to think about for next class!

- Any theatre fans in the house?

Something to think about for next class!

- "I Want to be a Producer"
  - Business manager for a theatrical production.
  - Need a simple application that allows me to determine the total amount spent on performers salaries for a given week.
  - Performers are paid a flat rate per performance given.

Something to think about for next class!

- I Want to be a Producer"
  - The app will need to:
    - Be able to accept the number of performances given by each performer
    - Calculate the salary paid for each performer
    - Determine the total salary paid for all performers

  - Think about object classes that you might develop for this simple app.

First homework

- Assure that your e-mail address is correctly listed in LDAP database.