CSSE 230 Day 30

That's all folks.

Course Evaluations on Banner

- Numbers are nice, but written explanations are much better
- Focus:
  - Did you learn a lot?
  - Are there things you know/can do now that you didn't/couldn't at the beginning of the term?
  - What about the course/instructor enhanced your learning?
  - What about the course/instructor were barriers to your learning?

  - Be as specific as possible.

Some Final Thoughts

- Data is at the heart of software.
  - The companies you may work for agree!
  - The data is the "irreducible complexity" of the code.
- This class has been very "heads down."
  - Getting the algorithms right.
  - Making good OO design choices.
- You also need to be "heads up."
  - Like the ethics assignment you did.
  - Understanding requirements means knowing the clients and users!
    - More on that in CSSE 371 …

Final Exam Details

▸ Wednesday night.

▸ Format same as previous exams.

▸ You can bring three sides of 8.5" x 11" paper.

▸ Comprehensive.

▸ Best preparation: Written problems

Final Exam topics

- Reading, programs, in-class, written assignments.
- Foci:
  - OO programming, using various data structures (lists, stacks, queues, sets, maps, priority queues)
  - Recursion
  - Binary trees, including EBT, AVL, rank, and threaded trees
    - Traversals and iterators, numeric properties
  - PriorityQueues, Heaps and heapsort
  - Issues in Hash table implementation
  - Graphs
  - Mathematical induction
  - Recurrence relations
  - Sorting algorithms and analysis
  - Algorithm analysis (O, θ, ω) in general
  - +/- with ADT implementation options (like we did for PQ last week - be specific with answers)

What's left?

▸ Do the practice exam
▸ Finish sorting races by 11:59 PM
▸ SortingRaces eval is OPTIONAL

▸ Exam Wednesday night, 6 PM, downstairs (Olin 169)