



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

- ▶ Monday 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:
 - Binary trees, including EBT, AVL, red/black, rank, and threaded trees
 - Traversals and iterators, numeric properties
 - PriorityQueues, Heaps and heapsort
 - Issues in Hash table implementation
 - Graphs
 - Recurrence relations
 - Sorting algorithms and analysis
 - Algorithm analysis (O , θ , ω) in general
 - OO programming, using various data structures (lists, stacks, queues, sets, maps, priority queues)
 - +/– 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 Monday night, 6 PM, Olin 231 / 3