Final Exam and Summary

Department of Computer Science
University of Maryland, College Park
Final Exam

- Date/Time/Coverage posted on class web site (Exams section)
Question Formats

- True/ false
- Fill-in-the-blank
  - Short answers expected
- Multiple choice
- Analyze complexity
- Apply algorithms
- Write code
CMSC 132 Summary

- We covered
  - Object-oriented software development
  - Algorithms & data structures
- Provided brief glimpse of CS applications
  - Human computer interfaces (GUIs)
  - High performance computing (Multithreading)
  - Networking
- Hope you improved
  - Programming skills (coding, testing, debugging)
What Comes Next?

- CMSC 216 – Low level programming
  - Treating references as memory addresses (in C)
- CMSC 250 – Discrete structures
  - Simple discrete math & proofs
- CMSC 311 – Computer Organization
  - How computers work
- CMSC 330 – Programming Languages
  - Different programming languages & paradigms
- CMSC 351 – Algorithms
  - Analyze & prove complexity of algorithms
What Comes Next?

- Building computer systems
  - 411 architecture, 412 operating system, 414 security, 417 networking, 430 compilers
- Building software
  - 433 programming technologies, 434 human-computer interfaces, 435 software engineering
- Theory of computing
  - 420 data structures, 451 advanced algorithms, 452 computation theory, 456 cryptology
- Applications
  - 421 artificial intelligence, 423 bioinformatics, 424 databases, 426 image processing, 427 graphics
- Note: Recommendation for those interesting in gaming class
Reminders

• Fill in class evaluations. The link to visit is:
  • [https://www.courseevalum.umd.edu/portal](https://www.courseevalum.umd.edu/portal)
  • Help us improve the course…

• Save your projects; you may need them in the future

• Verify all your grades in grades.cs.umd.edu are correct
Finally…

Good luck on Exam!