Final Exam Topics

Fall 2018

Exam Technical Details

- When: Wednesday, December 12, 1:30-3:30
- Seats will be assigned
- One page of notes are allowed.
 - 8.5x11 paper (double-sided is fine). Typed or handwritten. No Magnification instruments.
- No electronic devices.
 - Including calculators, watches, iwatches, phones, laptops, Tamagotchis, tablets, ...
- Multiple Choice
- Can grade as you exit the exam.
- Contact drc.ou.edu for appropriate accommodations (drc@ou.edu).

Help before finals

- Monday office hours 10:30 12:30p
- Monday Vinothini 2-4p
- Tuesday, Dr. Fagg, 4-5p
- Office hours Wednesday Morning 10-12.
- Discussion Board
- Others...

Outline

- Everything from the Midterm
- Threads I
- Threads II
- Concurrency I
- Concurrency II
- Memory Management
- Virtual Memory

Memory Memory Asins Segmentation Paged segmentation Computing physical addresses & chocking boundaries

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Producer / Commer follow

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- Memory
 - Monolithic
 - Paging
 - Segmentation
 - Page segmentation
 - Computing physical addresses + checking boundaries
- Deadlock
 - Bankers Algo
 - Conditions for deadlock
 - Prevention vs avoidance vs Detection
- Producer/Consumer Problem
- Process/Thread States

- Threads vs Process
- Kernel vs User States
- OUFS
 - Alloc table
 - ...others
- Resource Locking mechanisms
 - Semaphores
 - Mutex

