FINAL EXAM

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TOPICS COVERED

• Chapter 4: Threads
• Chapter 5: Mutual Exclusion and Synchronization
• Chapter 6: Deadlock
• Chapter 7: Memory Management
• Chapter 8: Virtual Memory
• Chapter 9: Scheduling
• Chapter 11: I/O Management
• Chapter 12: File Management

SYNCHRONIZATION

• THREADS
  • Threads versus processes
  • POSIX Threads
• MUTUAL EXCLUSION AND SYNCRONIZATION
  • Synchronization Primitives
    • Semaphores
    • Mutex Locks
    • Condition Variables
• DEADLOCK
  • Can you recognize the potential for deadlock?

MEMORY

• MEMORY MANAGEMENT
  • See Homework 7.
• VIRTUAL MEMORY
  • Like Homeworks 7 and 8.
SCHEDULING
* See Homework 8 and 9.
* Stochastic queuing theory not covered.
* General idea of system time consisting of queuing time plus service time.

I/O MANAGEMENT
* Population graph.
* General concept of file systems.

FILE MANAGEMENT
* See Homework 9.
* RAID.

SCHEDULING AND I/O