

Review Exam 1

CS 537: Introduction to Operating Systems

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Administrivia

- Project 3 out – Due Oct 10 @ 11:59pm
 - The GNU C Library Manual has loads of great stuff, including a section on implementing a job control shell
- **Midterm 1:** Oct 12 in-class
 - 1.5x time in CS 1325 @ 5:45pm
 - Bring a **#2 Pencil** and your **UW ID**
 - Old Exams on Canvas -> Files -> Shared Old Exams
 - 60 questions, multiple choice and T/F
- Project 4 out – Due Oct 24th @ 11:59pm

Quiz Review (0 points)

All old quizzes, take as often as you like. Get instant feedback.

<https://tinyurl.com/cs537-fa23-exam1rev>



Major Concepts

- CPU Virtualization
 - fork(), exec(), wait()
 - The idea of a process
 - Mechanisms for maintaining control
 - Policies for scheduling(FCFS,SJF,RR,MLFQ) and metrics (turnaround time, response time)
- Memory Virtualization
 - Address Space
 - Base/Bounds
 - Segmentation
 - Paging
 - TLB
 - Smaller Page Tables (Larger Pages, Hybrid, Multi-level Page Table, Inverted Page Tables)
 - Swapping