EECS 111: System Software
Lecture 16

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Lecture 16 Overview

- Course Review
  - Assignment 5: Solution
- Memory Management
  - Segmentation
  - Virtual Memory
  - Demand Paging

Assignment 5

- Discussion
  - Main Memory Management, Paging
- Project
  - Memory Allocation Strategies
    - Program **`memalloc.c`** based on **`memalloc_template.c`**
    - Implement memory allocation strategies
      - First-fit
      - Best-fit
      - Worst-fit
    - Analyze request success rate
    - Which is the "best" algorithm?
    - Can First-fit beat Best-Fit?
  - Due
    - Tuesday, May 25, 2010, 12:00pm (noon)

Memory Management

- *"Operating System Concepts", 8th Edition,* by A. Silberschatz, P. B. Galvin, G. Gagne, John Wiley & Sons, 2009.
- Chapter 8
  - Segmentation
- Chapter 9
  - Virtual Memory
  - Demand Paging