

EECS 211: Advanced System Software Lecture 18

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Lecture 18: Overview

- Assignment 5
 - User programs and system calls in Nachos
- Assignment 6
 - Complete Assignment 5
- Course Administration
 - Final Course Evaluation
- Distributed Systems
 - Distributed System Structures

Assignment 5

- Schedule (two-week assignment!)
 - posted Feb 20, 2008 (week 7)
 - due Mar 5, 2008 (week 9)
- User programs and system calls in Nachos
 - Task 1: Implement exception handling and system calls
 - Implement `ExceptionHandler()`; handle 9 exceptions
 - Implement `SystemCall()`; handle 7 (out of 9) system calls
 - Task 2: Validate using small test programs
 - “good” programs: `Hello.c`, `Name.c`, and `View.c`
 - “bad” programs: `Zero.c`, `Read.c`, and `Write.c`
- Deliverables
 - `addrspace.h`, `addrspace.cc`, `exception.cc`
 - `Hello.c`, `Name.c`, `View.c`, `Zero.c`, `Read.c`, `Write.c`
 - brief explanation (in body of email)
 - Email to `doemer@uci.edu`

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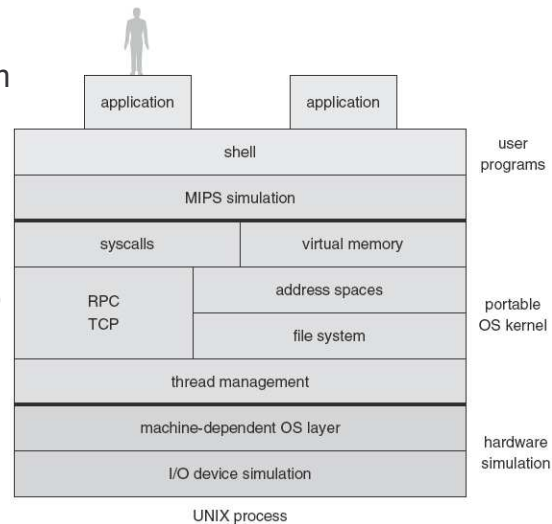
Assignment 5

- Overview
 - The Nachos System

- User code: emulated by MIPS simulator

- Kernel: normal (debug'able) Unix process

- I/O System: simulated by std. process I/O



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Assignment 6

- Schedule
 - posted Mar 6, 2008 (week 9)
 - due Mar 19, 2008 (final week)
- User programs and system calls in Nachos
 - Option 1: Leave as submitted (20 extra points)
 - Assignment 5 will be graded “as is”
 - Option 2: Resubmit Assignment 5
 - Assignment 5 will be graded with new files
- Deliverables
 - Email to doemer@uci.edu
 - Option 1: Statement that you choose Option 1
 - Option 2: Files as described in Assignment 5

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Course Administration

- Final Course Evaluation
 - 9th through 10th week
 - March 6, 2008 through March 16, 2008, 11:45pm
 - Online via EEE Evaluation application
- Feedback from students to instructors
 - Voluntary
 - Completely anonymous!
 - Very valuable!
- Help to improve this class!

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Distributed Systems

- Excerpts from chapter 16 of
“*Operating System Concepts*”, 7th Edition,
by A. Silberschatz, P. B. Galvin, G. Gagne,
John Wiley & Sons, 2005.
- Distributed Systems
 - Distributed System Structures