- What we have
    - Memory System
    - VGA Interface
    - Core (by tomorrow)
- What we need to do
    - Virtual Memory
    - Interrupts
        - Keyboard
        - Timer
    - Privileged instructions
    - PS2 Driver
    - Write all the software
        - Write software for compilation and linking/boot loading a real memory dump
        - Write kernel
        - Write makefile to compile microkernels
    - Integrate with Zedboard for debug/register dump
    - Faults
    - Performance Counters/CSR

Important Dates

- 4/4 500 Midterm Demo
- 4/31 500 Final Presentations
- 5/1 742 Presentations
- 5/1 742 Final Report
- 5/11 500 Final Demo
- 5/13 Final Report

Calendar

- 4/6: Work on 742 Project
    - Finish the implementation
        - Track memory operations
        - Implement sim-call to flush write buffer
        - Log total memory operation statistics
    - Run all tests
        - Pick tests
    - Collect all data
- 4/13: Finish 742 Project
- 4/20: (Carnival)
    - PS2 Interface
    - Interrupt control
    - Microkernels
- 4/27:

    - 410 Grading
- 5/4: (Final Presentations)
    - 410 Grading
- 5/11: (Final Demo)
    - Entirely possible virtual memory and kernels implemented

New Benchmarks

- Booting any microkernel
- Booting microkernel in 30 seconds

Original Schedule:

Week	External Milestone	Internal Milestone	Reid's Task	Teguh's Task
2/12			Architectural Simulator	VGA Interface
2/19			Memory Management Unit	DRAM Interface
2/26	Design Presentations		CPU Core	DRAM Interface
3/5	Design Proposal		CPU Core	CPU Core
3/12	Spring Break		PS2 Interface	Boot Loader
3/19		Working Processor	Kernel Drivers	Boot Loader
3/26		Working Demo	Minesweeper	PIC
4/2	Midpoint Presentation		Virtual Memory/TLB	Tetris
4/9			Kernel	Kernel
4/16	Carnival			
4/23		Working Kernel	Kernel	Kernel
4/30	Final Presentation		Demo	Demo

New Schedule

Week	External Milestone	Reid's Task	Teguh's Task
4/2	Midpoint Presentation	Core	Core
4/9		Boot Loader	PIC
4/16	Carnival	Microkernels	PS2
4/23		Microkernels	Microkernels
4/30	Final Presentation	Presentation	Presentation
5/7	Final Demo	Demo	Demo