Review session

Sync properties
- bounded waiting
- failure atomicity
- liveness
- safety

2 phase commit
- coordinator requests
- sends to commit/abort

event ordering in dist
- no shared clock
- clock drift

- CPU generates VA

Page fault
- OS blocks running process
- reads unmapped pages
- pre empt & starts another process
- read completes
- OS maps missing page
- restarts faulting process

threads have
- stack / SP
- TCB
- PC
- execution
- user of registers

lock = binary sema

Coherence vs Consistency
- Single location access
- Consistency access across multiple location

Improving paging = cache in TLB
- gets flushed during context switch

Reading from outside is easier
b/c there are multiple tracks
& physics

OS360
- file sys
- manage devices for user

- "same" w/ compilers

Salt value = random generated #
you hash w/ your password)

Users can't

- access I/O directly
- disable interrupt
- set mode bit

CPU scheduling

- thruput
- CPU utilization
- turnaround time
- response time
- waiting time

NFS semantics = idempotence