

## Recap

- Operating System Services
- Processes and threads - execution units
  - Scheduling
  - Synchronization and deadlocks
- Memory and storage management - data units
  - Paging and virtual memory
  - File systems, RAID
- Distributed systems
- Protection and security - protection units
- Monolithic vs micro-kernel



## Discussion

- What roles does OS play in a web server device?
  - Web servers respond to user queries
  - Web queries are mostly read only, sequential read-all semantics
- Resource containers: Requests carry their priority across network, file and other subsystems rather than treat each as independent entities
- File system: Need not be hierarchical in the storage device (avoid extra name lookups)

