From last time

An OS may contain managers for Devices, Network, Filestore, Memory, & Processes. Which would be in an OS for:

– A process control computer with a sensor for monitoring, an actuator for control, and a network connection for reporting to and receiving commands from a control centre? D,N,-,-,-

– A dedicated, network-based filing machine or "file server"? D,N,F,M,P

– A computer dedicated to controlling the communications passing between two networks; that is, a "gateway"? D,N,F?,M?,P?

– An autonomous lap-top personal computer? D,N?,F,M,P

– A single-user workstation with services available across a network? D,N,F,M,P

– A machine dedicated to managing and answering queries on a database? D,N,F?,M,P

But maybe they all need everything?