For example: UNIX System Structure

User Mode	**Applications** (the users)
	Standard Libs shells and commands compilers and interpreters system libraries
Kernel Mode	*system-call interface to the kernel*
	signals terminal handling / character I/O system / terminal drivers — file system swapping block I/O system disk and tape drivers — CPU scheduling page replacement demand paging virtual memory
	kernel interface to the hardware
Hardware	terminal controllers terminals — device controllers disks and tapes — memory controllers physical memory

Kernel