

Introduction to computer software

9 March 1999

Administrivia

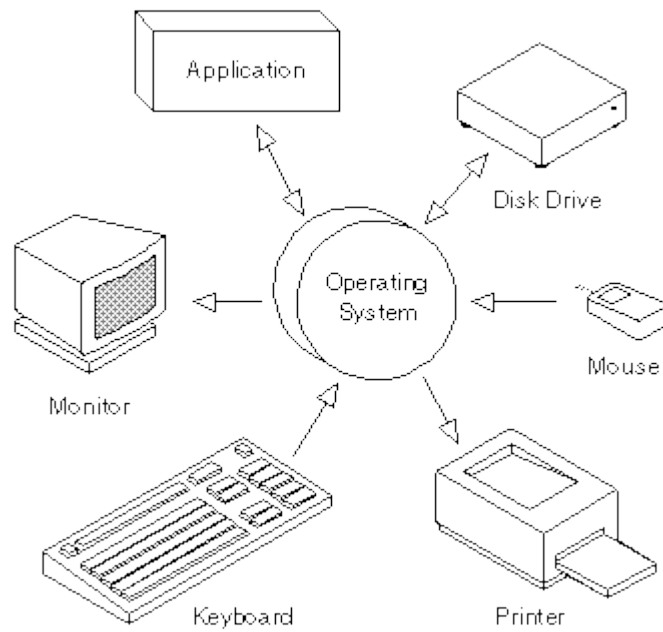
- 7 handouts in back (including this one)
- Evaluation form (two sides)
- Assignments 4 and 5 due this week; 6 is due next week
- Hourly Exam #1 on 23 March 1999 = 20%
- Interested in a study group? Again...

Topics

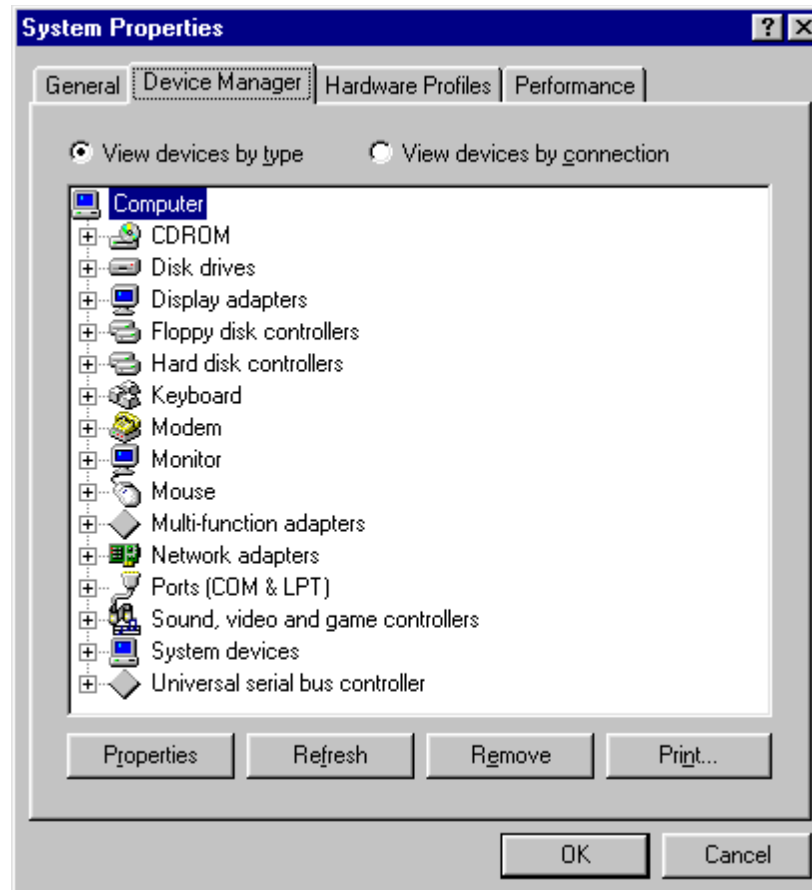
- Intel Celeron; CMOS
- FAT16, FAT32, HFS, HFS+, and NTFS
- Monitors: color depth, pixels, and resolution
 - CRTs versus LCDs
- Types of computers: desktops, laptops, and palmtops
- Software
 - Operating systems
 - Roles
 - BIOS and I/O
 - Drivers
 - System monitoring
 - Power conservation
 - Processing commands and providing a unified interface
 - Character-based interfaces v. GUIs
 - File management
 - Drives, filenames, and folders
 - Paths
 - Defragmenting
 - Multi-
 - -tasking, -threading, -user, and -processor
 - Examples
 - Personal: BeOS, DOS, Mac OS, Windows 3.x/95/98/NT Workstation
 - Servers: Linux, OS/2, Unix, Windows NT Server
 - Palmtop: NewtonOS, Palm OS, Windows CE
 - Embedded: cars, VCRs, watches, *etc.*
 - Application programs
 - Horizontal, vertical, and custom markets
 - Commercial, freeware, and shareware

- Downloading software from the Internet

Operating Systems



Drivers



Paths

DOS/Windows

`C:\WINDOWS\INF\DEVICE.INF`

`C:\Program Files\Office\Microsoft Office\Winword.exe`

`C:\PROGRA~1\OFFICE\MICROS~1\WINWORD.EXE`

Linux/Unix

`/usr/local/bin/pine`

`/home/m/a/malan/mail`

Mac OS

`Macintosh HD:System Folder:Extensions`

Make-Your-Own-Path

Task 1

Filename (sans extension)	resume
Drive	C:
Folder	My Documents
File extension	doc

Task 2

Filename (sans extension)	netscape
Drive	D:
Root folder	Program Files
2nd-level folder	Netscape
3rd-level folder	Program
File extension	exe

Downloading software from the Internet

www.download.com

www.jumbo.com

www.shareware.com

www.tucows.com

www.versiontracker.com

www.winfiles.com