

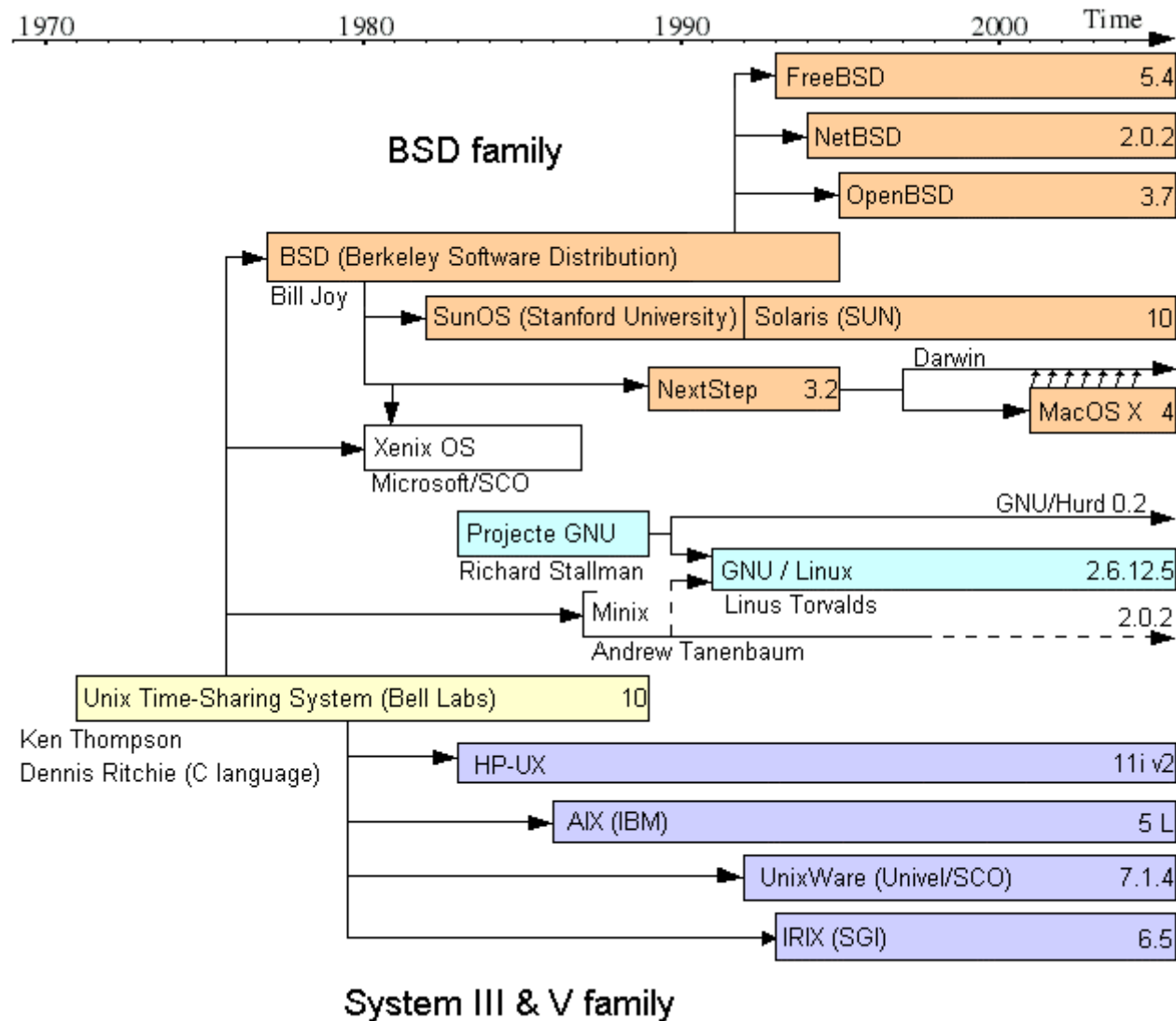
Announcements

- In-class discussion today

Unix

- Common operating system developed by AT&T researchers Dennis Ritchie, Ken Thompson,
- Unix was designed to be
 - Portable
 - Multitasking
 - Multiuser
- Several flavours are:
 - Linux
 - Solaris
 - AIX
 - Others (see next slide)

Different Unix “Flavors” (from Wikipedia)



Unix

- What can you do with Unix?
- All the things you can do with Windows and more
 - File Manipulation (create files, folders, etc.)
 - Networking
 - Software Development
- In this class we will focus on a subset of commands associated with Unix.
- Some terminology
 - Directory – The same as a folder
 - File System – Entity that contains a group of files and directories
- Unix sources
 - Nothin' But Net – One of the recommended textbooks for this class (see the Syllabus)
 - Online tutorial -
<http://www.ee.surrey.ac.uk/Teaching/Unix/unixintro.html>

Unix

- Unix is made up of two main components
 - Kernel –
 - Manages time and memory allocation for program in the system
 - Manages the file systems and communications
 - Shell
 - Interface between the user and the kernel
- Unix Directory Structure
 - Files are grouped in a directory structure that resembles an upside down tree
 - The directory at the top is called the **root** directory
 - Under the root directory you can find every file and directory associated with the file system

Typical Unix Directory Structure

