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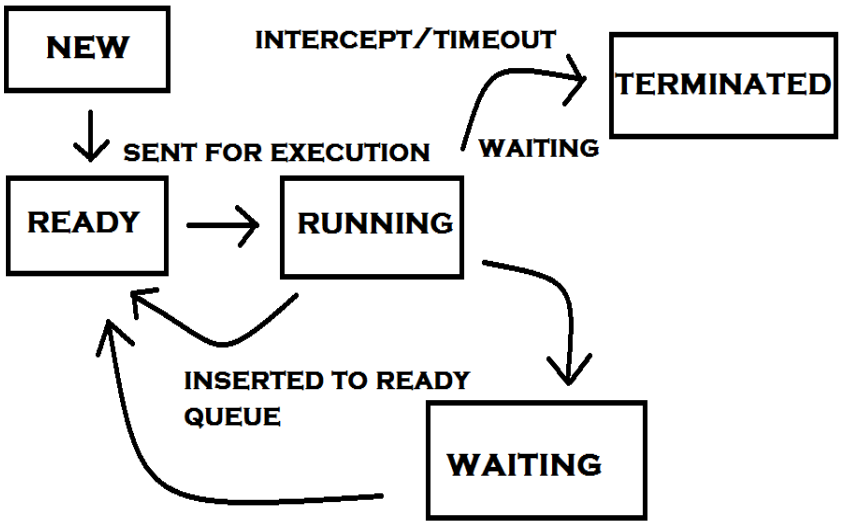
Notes

States of a Process Life-Cycle

(1) New
(2) Ready
(3) Running
(4) Waiting
(5) Terminate



Everything is made of processes…

- Why is abstraction important to devices?
    > Devices are physical, OS is metaphorically.
    > Everything is a file~
- In order for OS to work with devices, we need to extract the abstraction from the hardware for the OS to operate (interact with each other).
- Virtualization > Process of creating an abstraction (virtual box, etc..)
- A process is something that provides isolation.
- Processes should can isolate them self between each other (so that they will not crash with each other).
- Process exist in the main memory.
- Programs exist in the hard disk, not on the main memory.
- User processes
    > user, unnamed pipe, restricted access
- Kernel processes
    > kernel, unrestricted access
- Main memory is the most important hardware of artifact.
- Sys Calls > Kernel and Shell
- Process Management > Control stop and pausing
- User Processes > Make up the environment you work with

All user processes start with a Fork()!

fork() //Child have unique ID

exec()