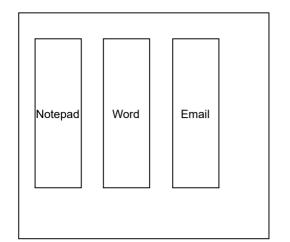


Computer - 2 cpu, 8 GB RAM, 100 GB Storage



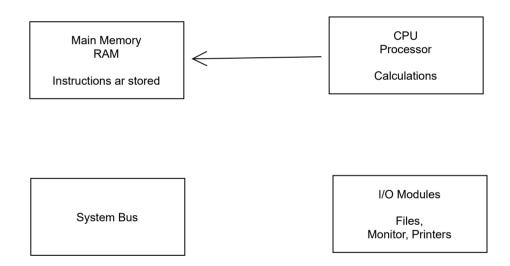
Application

When we run an application - a process is started cpu, memory process.

In that process, a main thread is created.

security

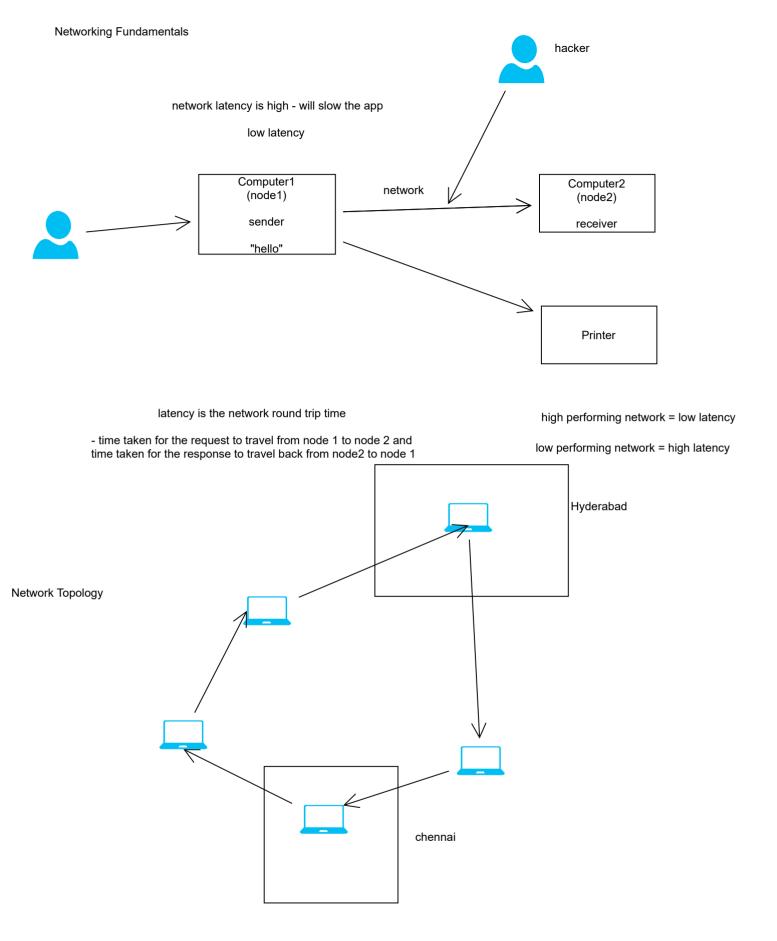
Features of an OS

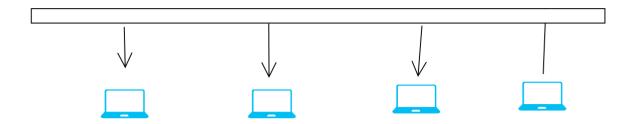


Programming Languages

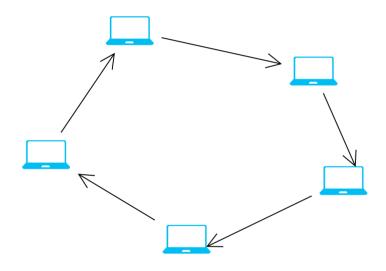
Machine Language Assembler Language System Language

High Level language - enlish - humans / developers can understand and write - Java, python, node

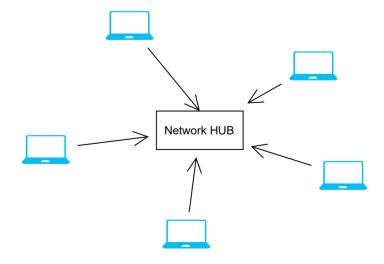




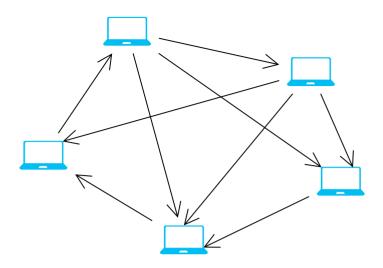
Ring toplogy



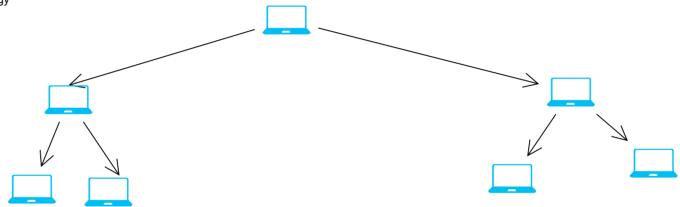
Hub Topology



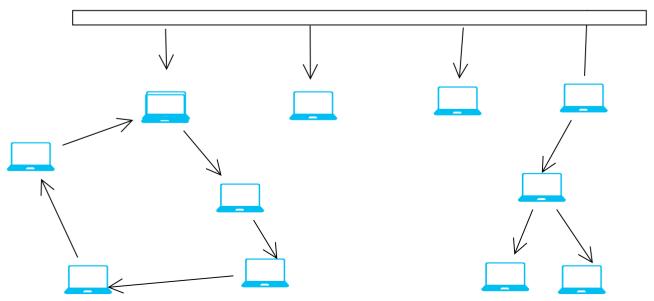
Mesh Toplogy



Tree Topology

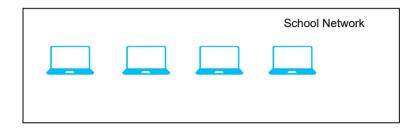




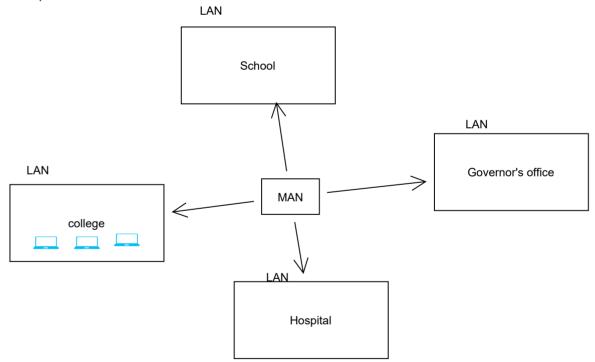


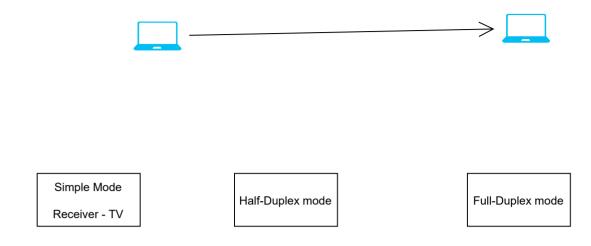


LAN - Local Area Network

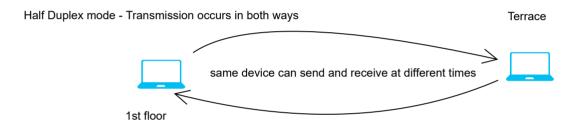


MAN - Metropolitan Area network





Simple mode - Transmission in only one direction



full duplex



IP - Internet Protocol

Intranet

Employee Information / Company data / List of holidays / Events / Vendor Products

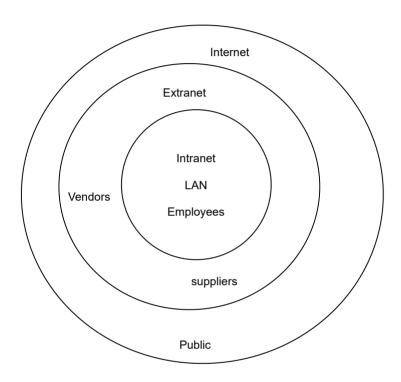


XYZ company

15000 employees

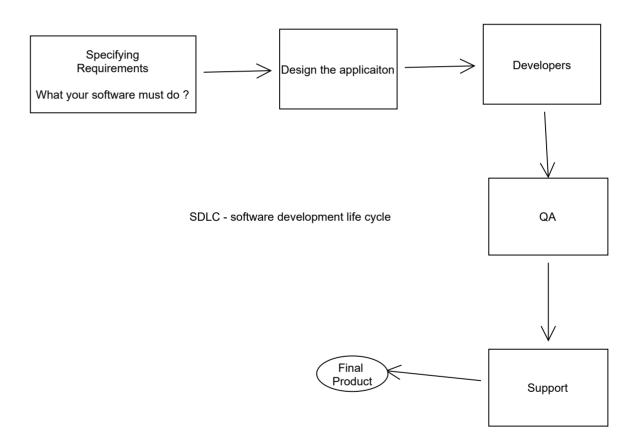
Diff Intranet and Extranet is

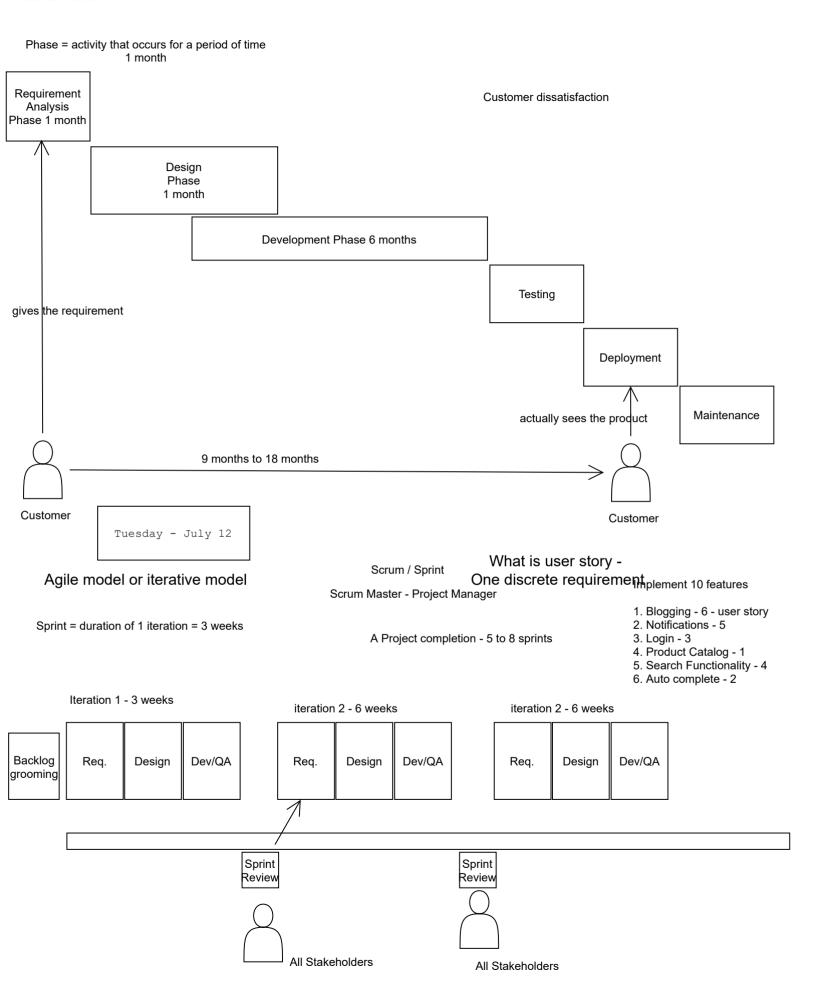
who all can access?

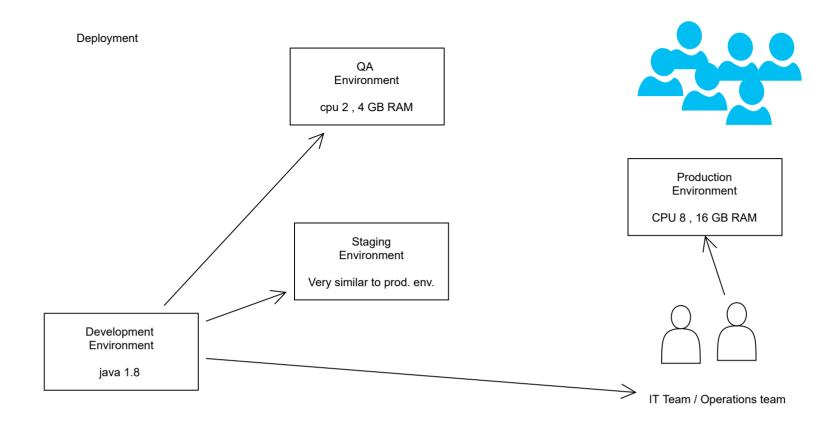


Security - Virus, Spyware, Malware



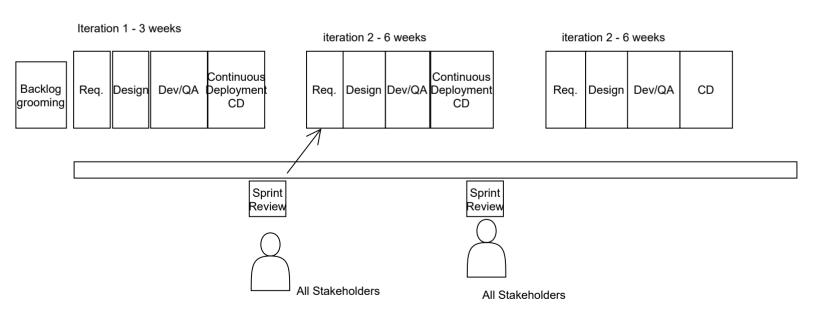


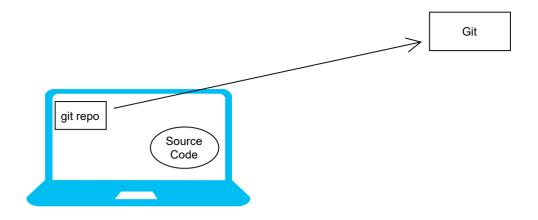




Jenkins - CI / CD tool

Docker / Kubernetes - container management tools





- 1. Create a repo in github
- 2. Install git on your windows laptop -

https://git-scm.com/download/win

- 3. git clone https://github.com/rksljfsd/javademos.git
- 4. git config --global user.email "you@example.com"
- 5. git config --global user.name "Your Name"
- 6. git status
- 7. git add .
- 8. git commit -m "changes"
- 9. git push origin main