

## IT Industry/Company Management :-

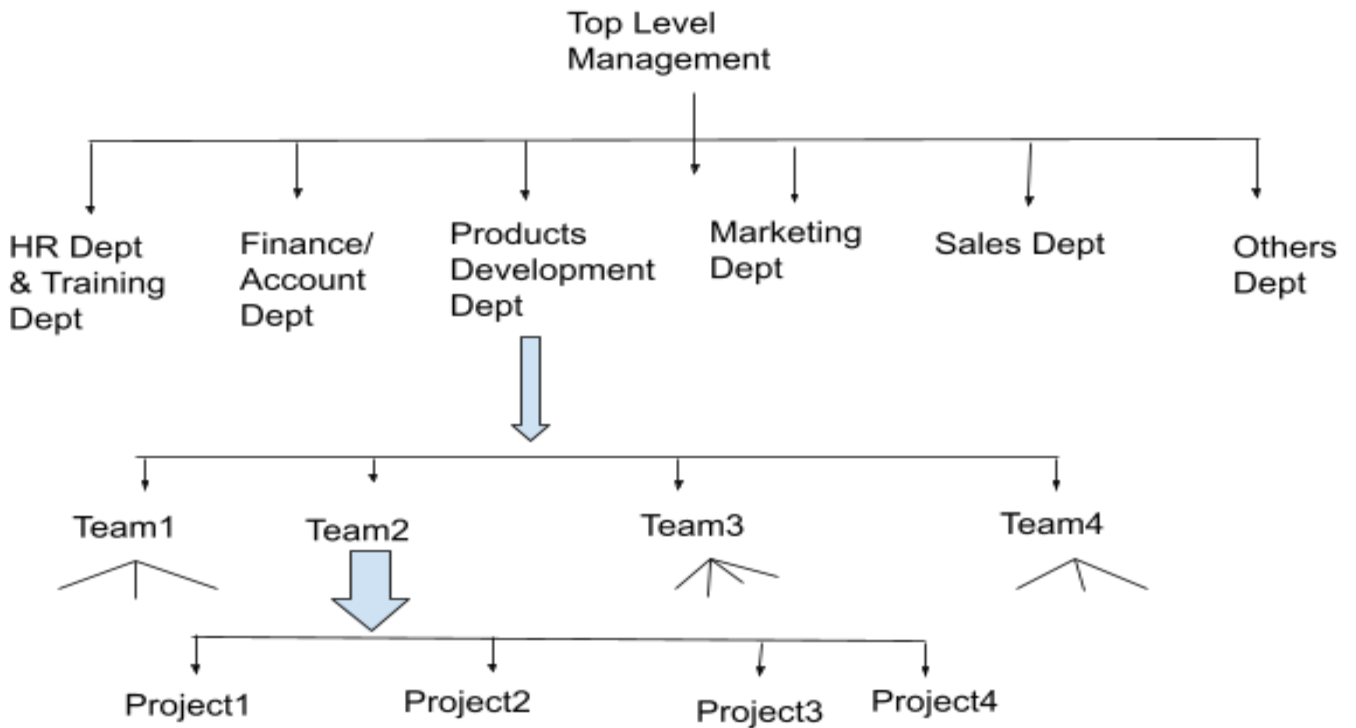


**Top level** - Founders, Co-Founders, Directors, Presidents, HODs, CEO, CFO, CTO, COO, VCs, Board Members, Investors, etc.

**Middle Level** - Managers, Team Leads, Project Owner etc.

**Low Level** - Employees

**Below Low Level** - Gateman, cleaner etc



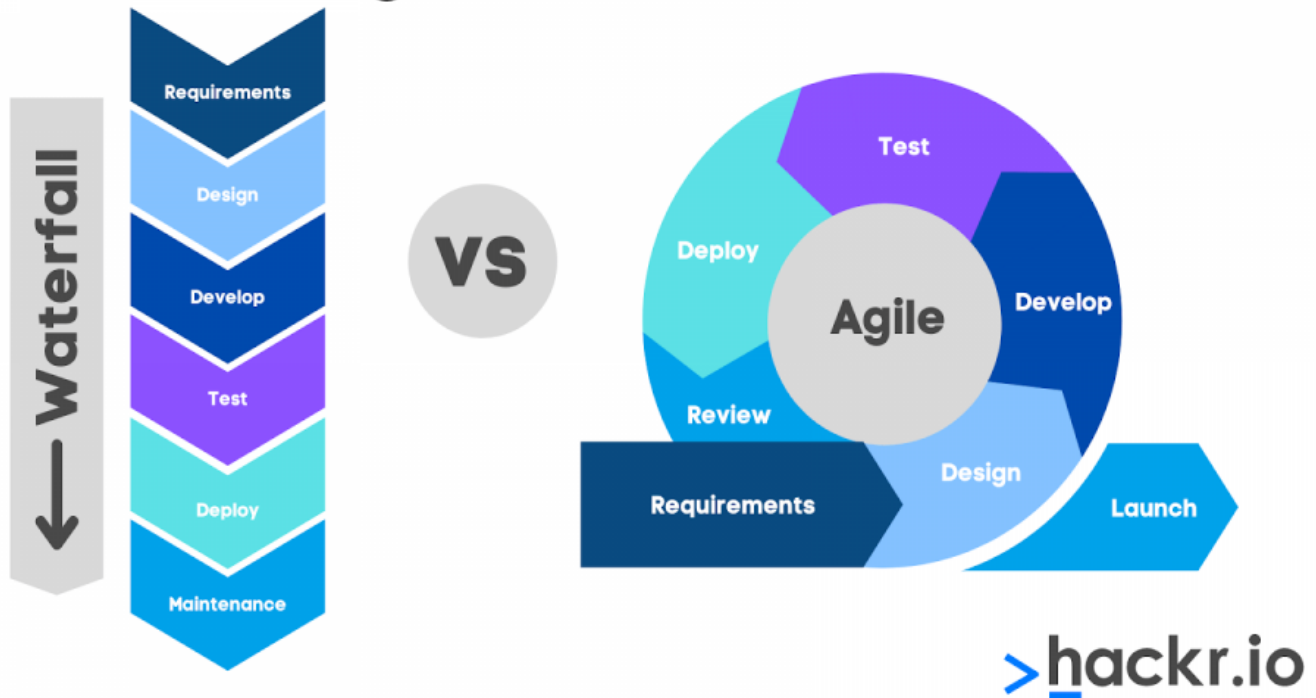
## Top IT Technology :-

Blockchain , Data Science , Machine Automation (ML), IoT, 5G , CyberSecurity, Cloud Computing, VR & AR, Edge Computing, AI, Metaverse, Bioinformatics and genetics Engineering, Game Development, Web Development, Software Development(Mobile , Desktop, etc)

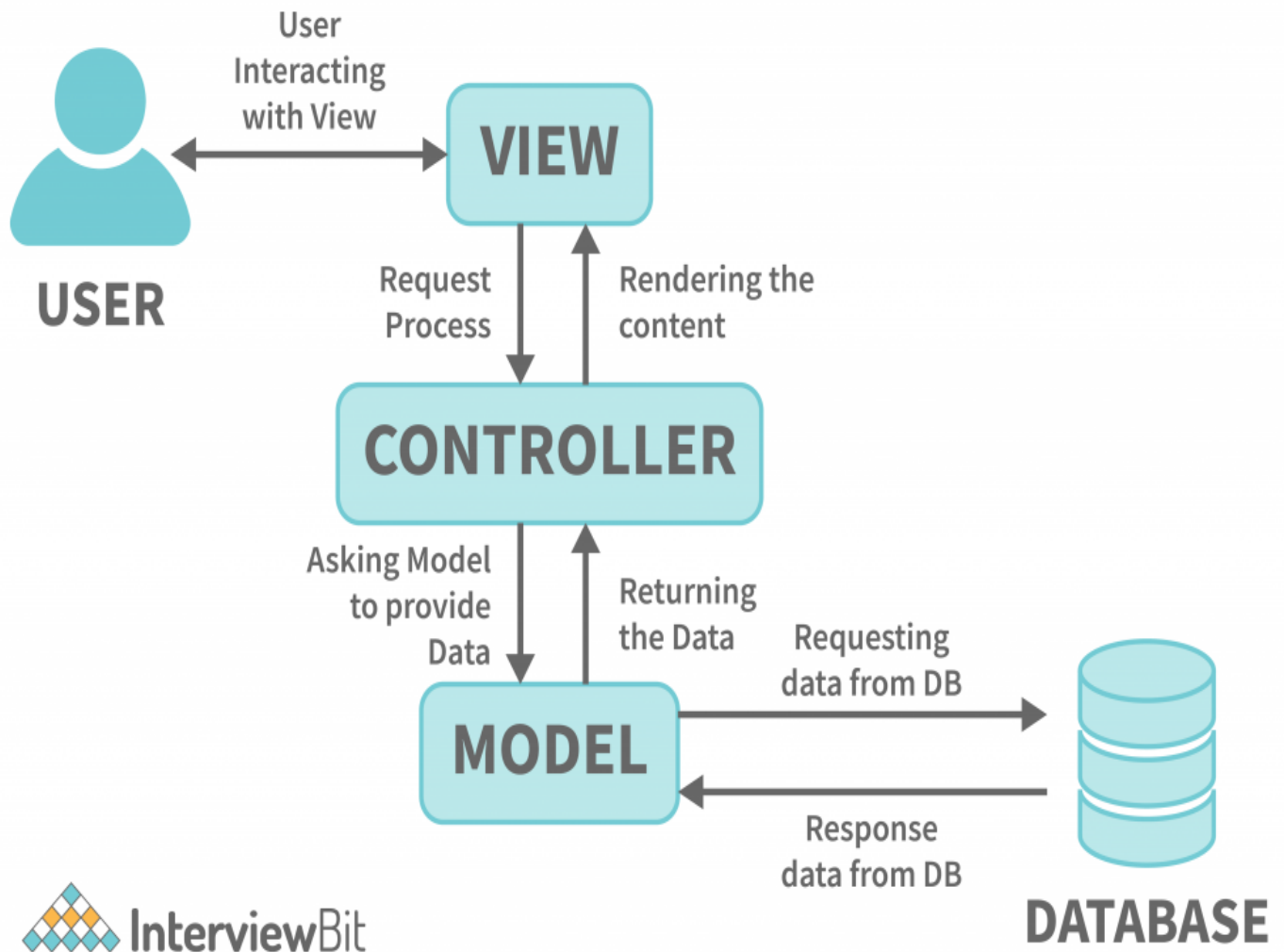
## SDLC – Software Development Life Cycle :-

The SDLC is a process by which software is developed and deployed. It's a process that encompasses every phase of software creation, from conception to maintenance after the software is released.

### Agile vs Waterfall



## MVC Architecture of whole solutions:-



## How Internet Works:-

<https://youtu.be/d5UMS3Ay07E>

# **Web/Software Development Roadmap and skills :-**

## **1) Requirement/ Review /Feedback (SRS)**

## **2) System Design (DDS)**

- a) Low Level Design (LLD)
- b) High Level Design (LLD)

## **3) UI/UX Design**

- a) Adobe XD
- b) Figma

## **4) FrontEnd web Development**

- a) HTML/ CSS/ JavaScript
- b) Bootstrap / Tailwind-css /Material UI / ES6-dom manipulation
- c) JQuery /Fetch API
- c) React-js/ Vue-js / Angular-js

## **5) FrontEnd mobile/desktop app development**

- a) React native
- b) Flutter

## **6) Backend Development (API,Server,Microservices)**

- a) DSA/ OS/ CN/
- b) Linux-cmd/ VCS-git(github,bitbucket, gitlab) /JIRA
- c) Anyone Framework -
  - Nodejs
  - .Net
  - Django/ Flask
  - Spring, Spring MVC, Springboot
  - Laravel

## **7) Database Design**

- a) SQL (MySQL, DynamoDB, PostgreSQL, Oracle-SQL)
- b) NoSQL (MongoDB, BigTable, Redis)

## **8) Testing / QA**

## **9) Deployment /Maintenance**

- a) Cloud Computing (AWS/ Azure /GCP)
- b) Docker
- c) CI/CD pipeline
- d) Kubernetes