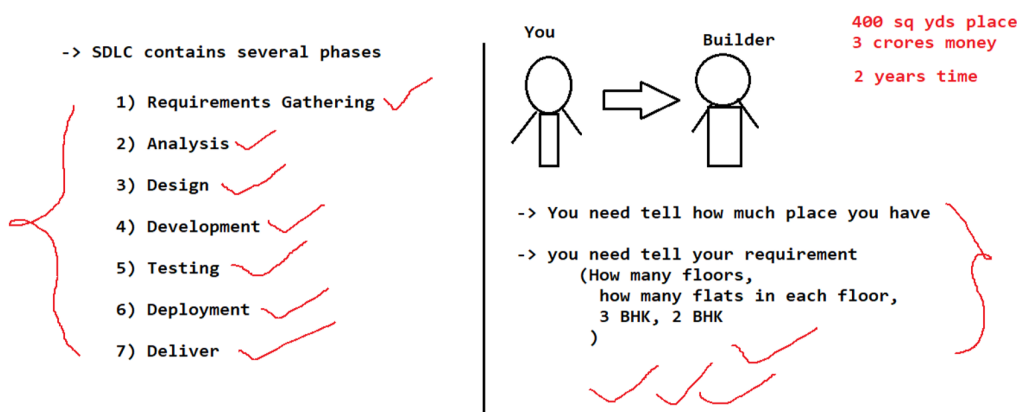


SDLC (Software Development Life Cycle)

- SDLC stands for Software Development Life Cycle
- It represents how one project will be developed and delivered

Note : From start to end is called as Life Cycle

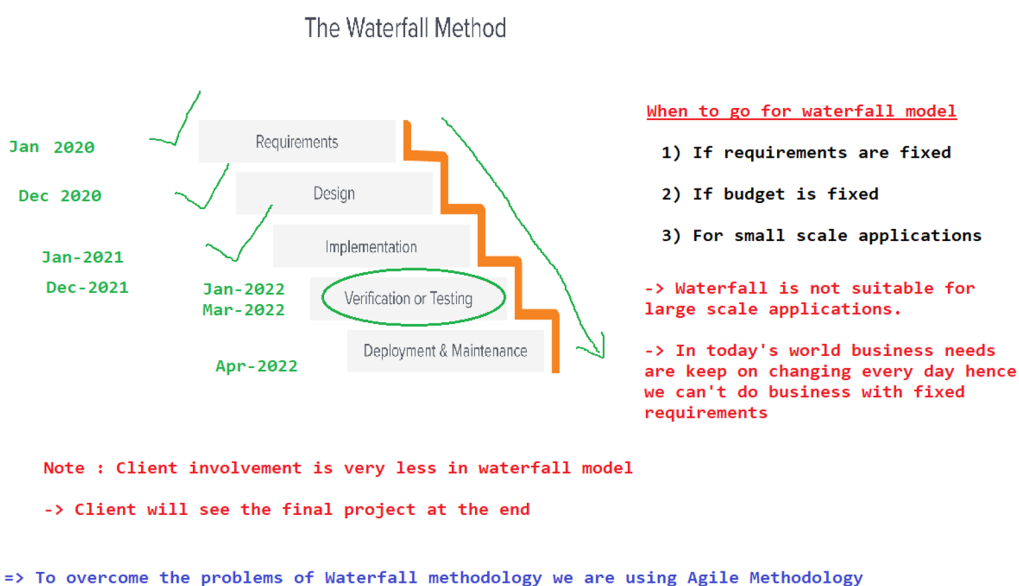


SDLC Methodologies

- **Waterfall Methodology**
 - It is the first and foremost methodology used to develop the

projects

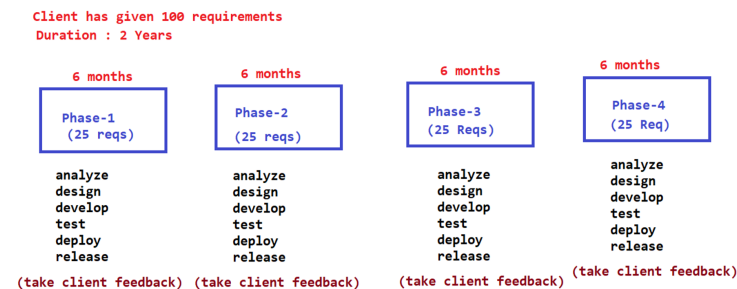
- it is a linear methodology
- If current step is completed then only we will go next step in waterfall model



• Agile Methodology

- it is one of the SDLC methodology which is trending in the market now a days
- It is an interactive approach to develop and deliver the project to clients

- Agile promoting continuous development & continuous delivery through out SDLC
- This Methodology is going to break project functionality into multiple phases/releases

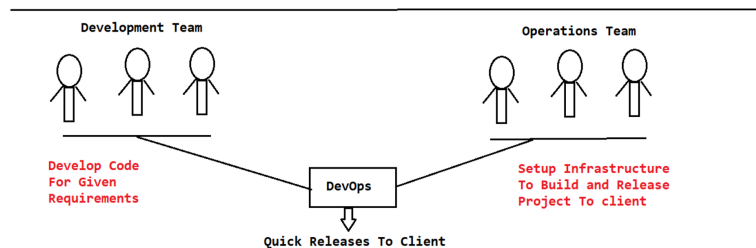


=> DevOps is a set of practises which is used to release the project to client quickly

=> By Using DevOps culture we can make sure development and operations are hapenning together

=> The main aim of the DevOps is to reduce SDLC time

DevOps = Development + Operations



=> We have several tools in the market to automate application delivery process

(Maven, Git Hub, Jenkins, SonarQube, Docker, K8S, Ansible, TerraForm)

=> Using these tools we are going to setup DevOps practises in our application