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# SDLC

The full form of the SDLC is Software Development Life Cycle

# STLC

STLC ids defined as Software Testing Life Cycle

# SDLC stages

It is a procedure to develop a software.

1. Requirement collection
2. Feasibility study
3. Design (HLD, LLD)
4. Coding
5. Testing
6. Installation
7. Maintenance

SDLC have different process

1. Waterfall model
2. Spiral model
3. V& V model
4. Hybrid model
5. Derived or customized model
6. Agile methodology

## Waterfall model

It is a step by step process to develop a software.

### Requirement collection

First a customer will be go to the software company for the requirement. Project manager will send BA to the customer and collect the requirement details from the customer in CRS format and convert to the document SRS and Provide the SRS to developer & testing team.

### Service based software company

companies take requirement from the customer and develop the software after that ship the software to customer and charge some amount.

If a company makes software fore it's own , is known as product based software company.

After developing the software test engineers test the program if it passes then it will become Release.

### Job of BA(Business Analyst)

Understand customer’s business and convert into developer’s convenient manner.

Who can become BA?

1. One who is very good in domain
2. Domain experts

### Archetect

Who have experience in many technology can become architect

Who can become project manager?

A person who having knowledge on all the department in the organization, he/ she will become project manager.

### Job of PM(Project Manager)

Starting from requirement collection to till lunching product to customer in between any problem occurs among he is the responsible person.

### Job of Architect

As soon as project comes he will decide which technology suits for this project to develop it.

Who can become architect?

A person one who worked on many technologies he/she can become an architect.

### Job of HR

Resource point of view he/she look for candidates inside the company as well as outside of the company.

### Job of Finance manager

He will decide whether they should take the project or not based on whether it is profitable or not.