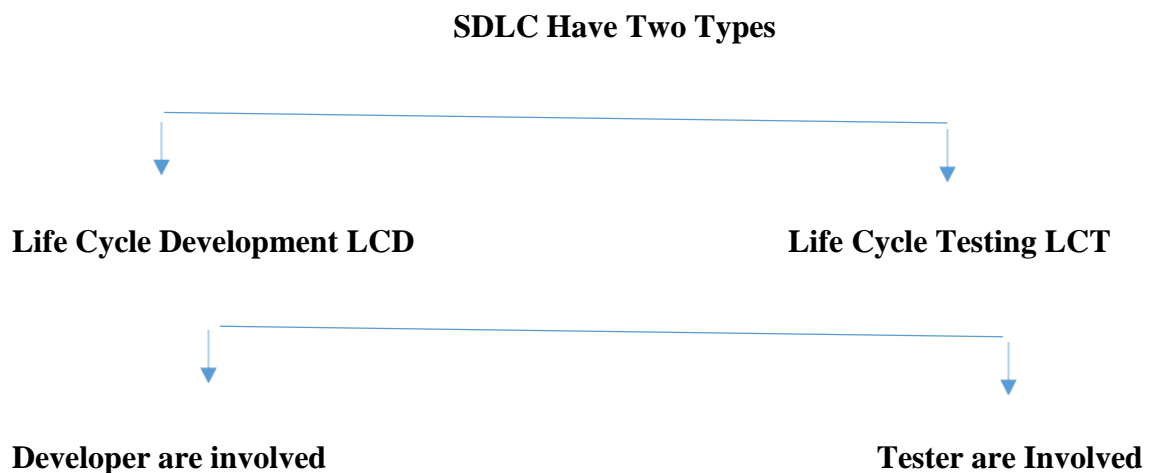


Process-

- Process a way to develop & test the software/ application
 1. SDLC (software development life cycle)
 2. Waterfall model/ Process
 3. V-Model/ Process
 4. **Agile model/process**
- **Who will decide the Process**
- If Client has IT department – then Client will decide the Process ex. HSBC
- If Client not has IT department – then Company will decide the Process ex. Cred
- **Process decided**
- Ex. HSBC company → Client has IT department → Wipro → Project process by Client
- Ex. Cred → Client don't IT department → Accenture → Project process will decided your company

SDLC – Software Development Life Cycle

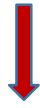


SDLC-

It is a process used by the software industry to design, develop and test the high quality software.

SDLC is process which includes following stages (06 stages)

Information Gathering



Analysis



Design



Coding



Testing



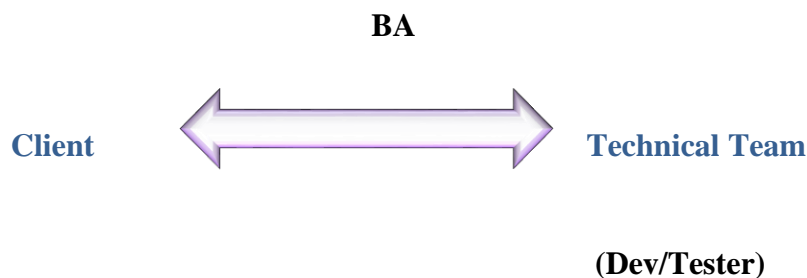
Maintains

- SDLC different stage

1. **Information gathering / BRS** (Business requirement specification) → BA → Collect the requirement from Client
2. **Analysis/ SRS** (Software requirement specification) → BA → Functional requirements
3. **Design** → **Designer** → prepare the HDL (High level design), LLD (Low level design)
4. **Coding** → **Developer** → developer will do coding on LLD
5. **Testing** → **Tester** → Tester will **TCD** (Test case designed), **TCE** (Test case execution)
6. **Support/ maintenance** → Application/ software support

Information gathering

- BA is responsible for information gathering
- Information gathering means requirement gathering
- In these stage **BA will interact with Client & collect requirement related to client business**
- In these stage BA will **prepared a BRS (business requirement specification)**
- **BRS** defines **business related requirement for the application**
- **Ex.** Client business/project → End user a Platform/ application → End user bedding → Client will take charge from end user → Application = Dream 11
- **Ex.** Client Project – Platform – End user application login – access / plane – service you see - Hotstar/ amzone Prime
- BRS documents we don't get (developer & tester)
- **BA is taking Requirement from clients/Customers & Preparing BRS document**
Simply it acts as **bridge between**

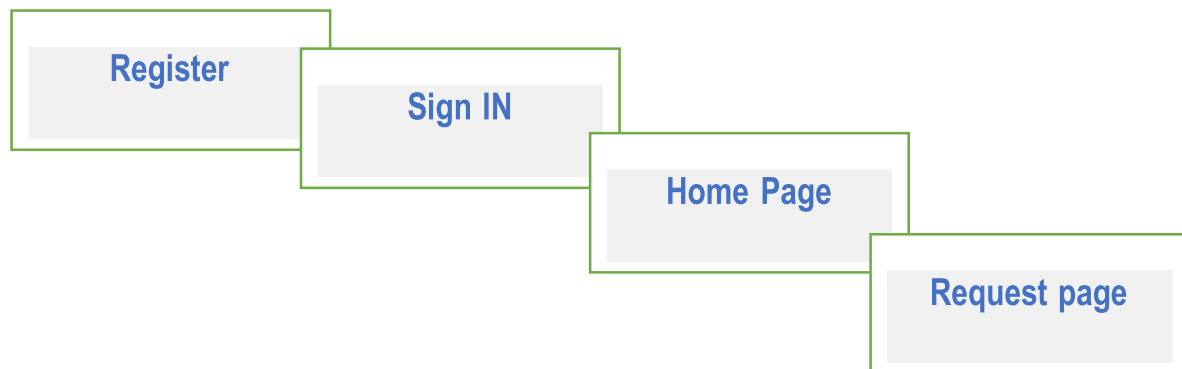


Analysis

- In analysis stage, **BA is working**
- BA will communicate to the client & collect requirement from Client, against these **requirement related to functionality of the application**
- BA again prepared a documents **SRS (Software requirement specification)**
- SRS also called **FRS (functional requirement specification)/ CRS (customer requirement specification)**
- SRS defines **software/ functional requirement to be development & system requirement that will used**
- **Ex.** Paytm – Recharge Module → Mobile no. text box (10 digits no.) & Circle selection & operator text box → Browser planes new tab
- **SRS** will contains

1. **Functional requirement** (Project – multiples requirement)
2. **Functional flow diagram** – (Step by Step flow)
3. **Use Case** –(specify requirement/ 1 requirement)
 - A. **Description** – Details about requirement
 - B. **Acceptance criteria**-Does & Don't about requirement
4. **Screen shot/ Snapshot/ Prototypes** – Application without functionality

1. Functional flow Diagram



- Represents step by step stages of Application/product
- Represents relation between the task
- Dependencies between the tasks

2. Functional requirement

Meeting the attributes which are required to complete specific function/Task

For Example – Register on Banking App

First name - Should accept Character only, Length | Special Char not allowed

Last name - Should accept Character only, Length | Special Char not allowed

DOB – DD-MM-YYYY format |Only Digits

Email Id - Should accept character, Special symbols, digit & decimal, length

Phone number -

Allowed only digit, length 10,

Country code +91

Submit button - ?

This is the functional requirement

3. Use Case –(specify requirement/ 1 requirement)

Description – Details about requirement

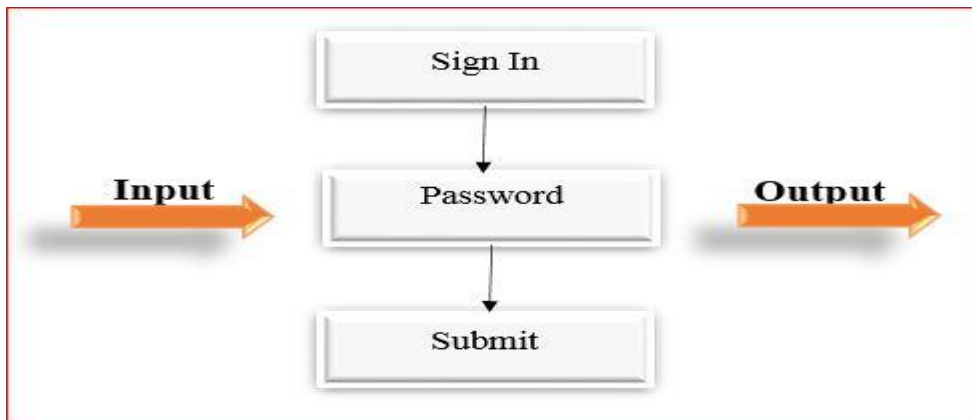
Acceptance criteria-Does & Don't about requirement

Use cases– Test scenarios – Test cases – Testing – entire system – start to end

Use case testing is a technique that helps to identify test cases that cover the entire system, from start to finish.

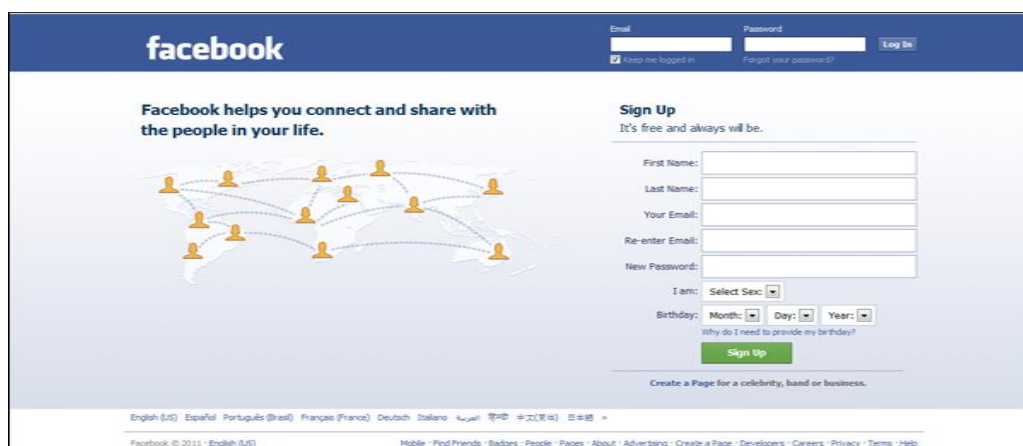
- Use case is combination of - **Input + Process + Output**
- Checking the functionality for available input , process & output

E.g. Use case for online shopping



4. Snapshot - Application without functionality

- Snapshot is format/Review/Prototype
- Snapshot provides idea to Developer how SW supposed to be look like
- Snapshot created by BA
- Uses **Irise** Software for snapshot creation
- Visualization of functionality before development of product
- IRise with 8.11 Version



- When BA will completed the SRS documents, then BA will sent these documents to developer & tester
- BA will sent these **documents throw Mail to Developer & Tester team**
- Developer & Tester team will do the analysis/ understand the documents
- If we have **doubt about SRS documents, then developer & Tester team will communicate to BA (For communicate we will conduct meeting)**

Difference between BRS & SRS?

BRS	SRS
Business requirement specification	Software requirement specification
This document generally consists of complete scope of the project, performance, requirement, and usability.	In SRS document all functional and non-functional requirements are covered.
BA people prepares BRS	BA people prepares SRS
From client BA collects the requirements and prepares BRS document	SRS is derived from BRS
Gathering Customer requirements	Gathering Software & Technical Req.
Use cases are not present in BRS	Use cases are present in SRS.
Overall req.	Detail req.
E.g., Banking Domain Sign Up page Home Page Account Information Contact List	Sign Up page-Logo,UN,PW Number, Special Character
Ex. Investment banking domain Kite Register Login 2FA Dashboard Watch list Order Position Fund Profile	Ex-functional requirement Register FN LN Pan Mb.No. DOB Email id Login UN PW Login button Forgot PW