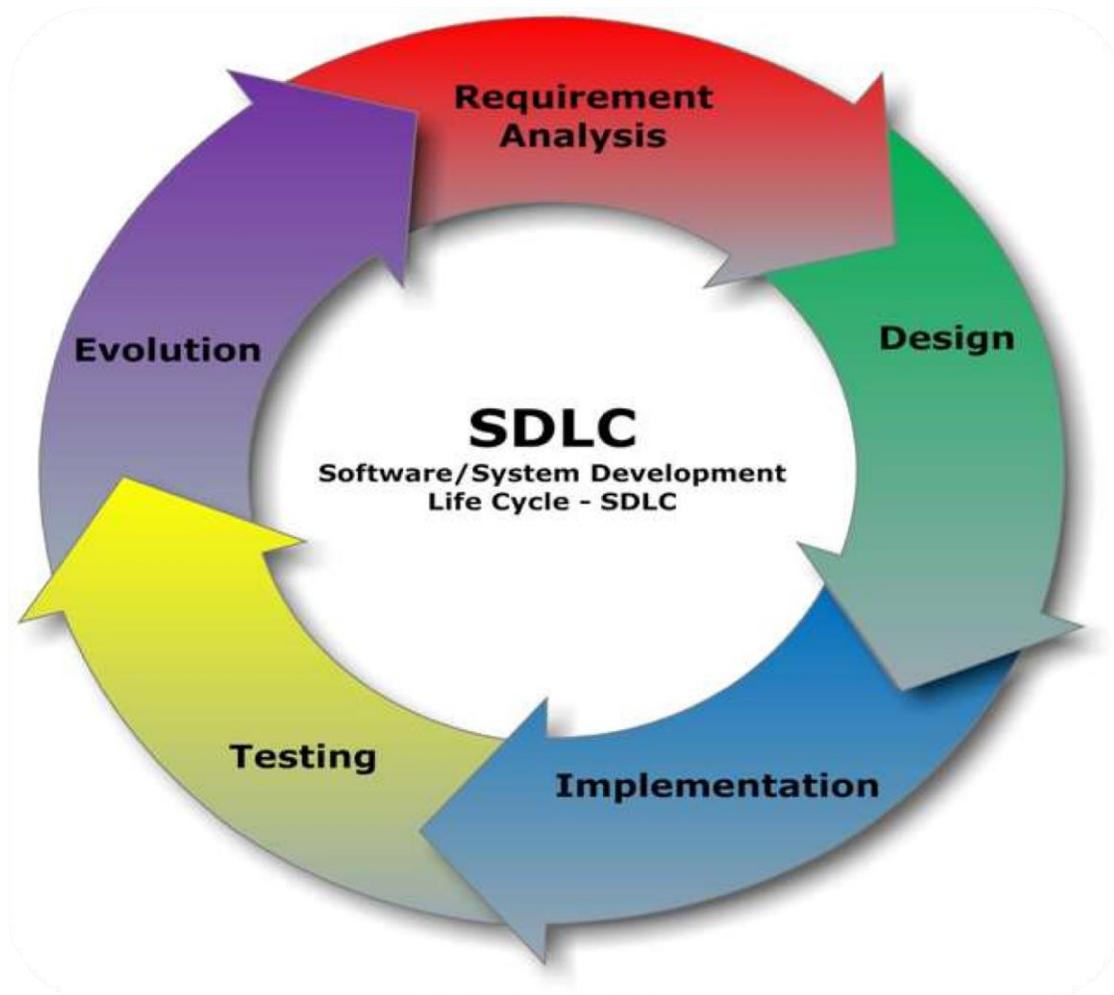


Basic Stages of Software Development



Life Cycle



Process

The Software Development Life cycle is a process of building a good software and its Lifecycle stages provides Quality and Correctness of good software. All the stages of Lifecycle are important in itself.

One Wrong step in Lifecycle can create a big mistake in the development of Software.

Being an Owner or stakeholder of a Software Company you must know the development life cycle of the Software. Even your buyer may also aware of this Lifecycle. So, everyone wants to know that how its development begins, which are the development process, which is the end portion of development life cycle.

Six Stages of Software Development Life Cycle for Software Development

We have numerous types of SDLC models like Waterfall, Agile, and Spiral etc. All this SDLC model must follow this 6 steps for developing errorless Software. Software Development Life cycle has totaled 6 Steps. All 6 steps are mentioned in below.

1. Requirement Gathering and Analysis
2. System Analysis
3. System Design
4. Coding
5. Testing
6. Implementation

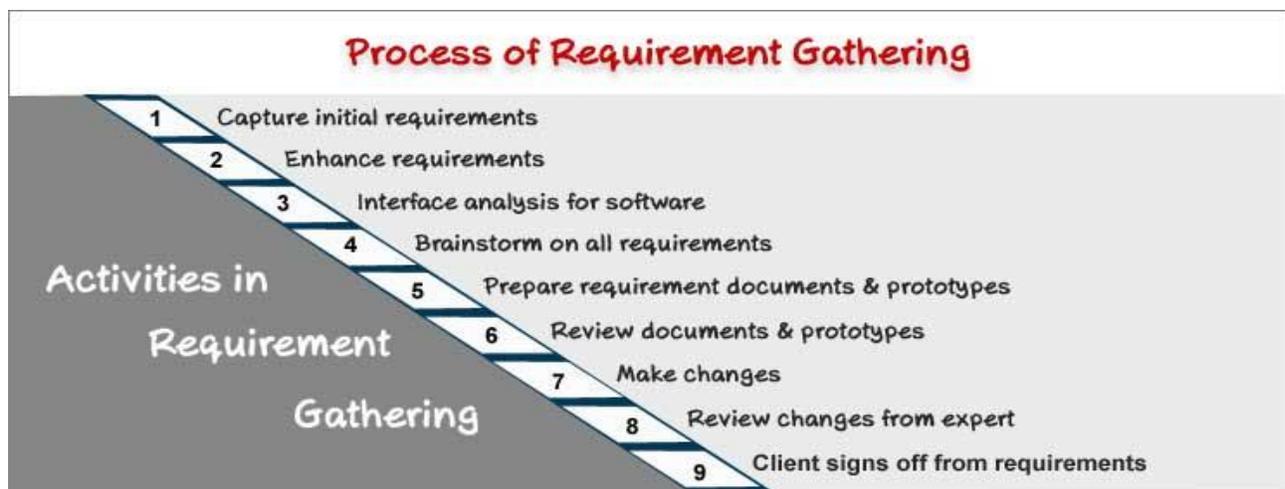
Requirement Gathering and Analysis

Requirement gathering and analysis is the first stage and major stage of any SDLC model. This phase is basically the brainstorming phase because it has the many sub stages for like Feasibility Analysis Stages to check how much idea can put into action for development.

In this Stages, communication taking place between stakeholders, end users and the project team. So, all the person which are related to the project and they gather information for software development.

- ❖ Identify and capture stakeholder requirements using customer interviews and surveys.
- ❖ Build multiple use cases to describe each action that a user will take on the new system.

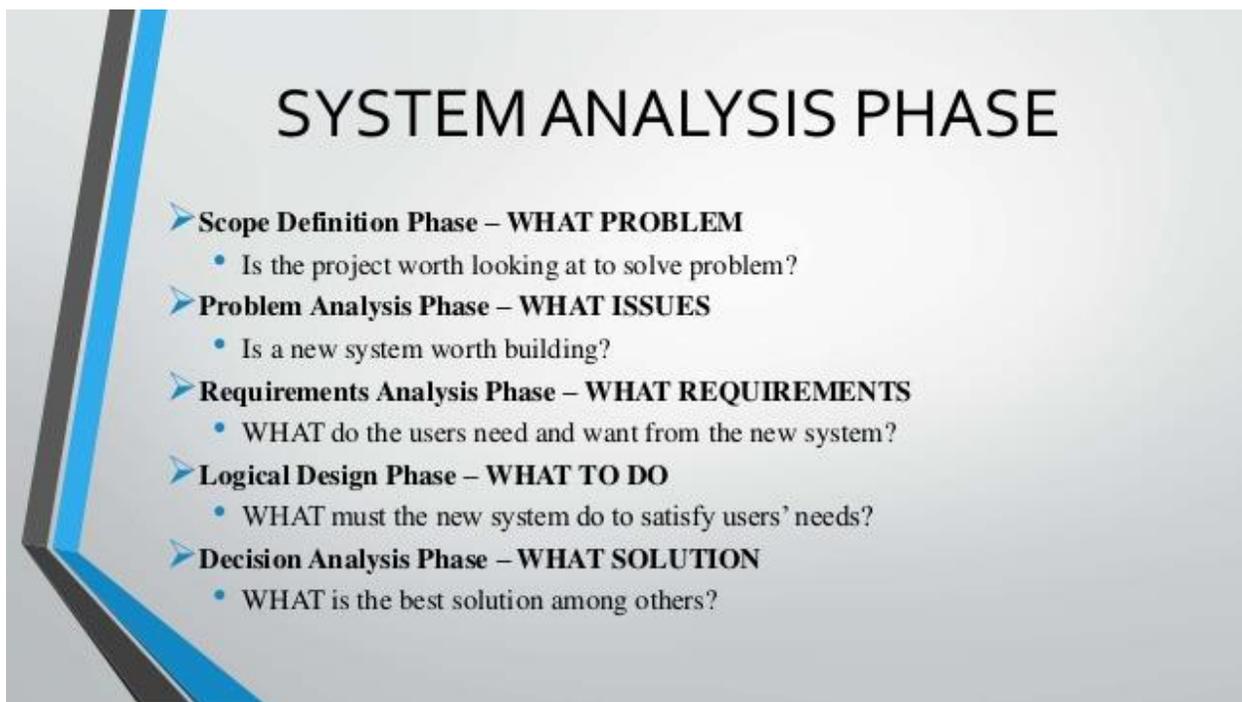
In that a brand new software development takes place more requirement gathering process for development and in other already build software not need too much information and data gathering process.



System Analysis

This is the second phase of SDLC where the entire system is defined in detail. In fact, In this stage Developer get a detailed blueprint of the various phases of the software that developed in the project

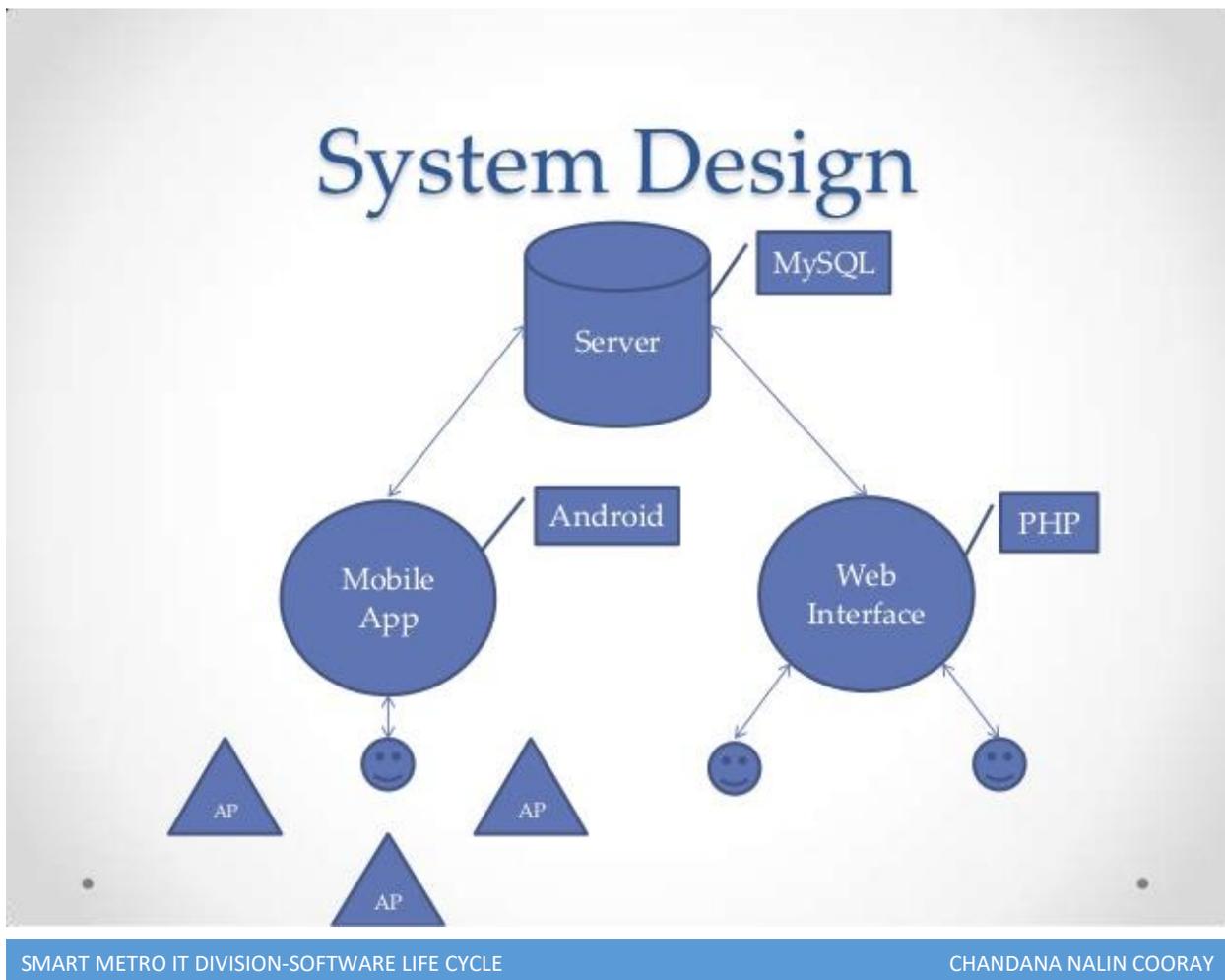
At this stage the system is divided into smaller parts to make it easier more manageable for the developers, designers, testers, project managers and other professionals who are going to work on the software in the latter stages.



System Design

In this phase the design of the system is designed. The Design is developed by the analysts and designers. The System analyst design the logical design for the designers and then designer get the basic idea of designing the software design of Front end and back end both.

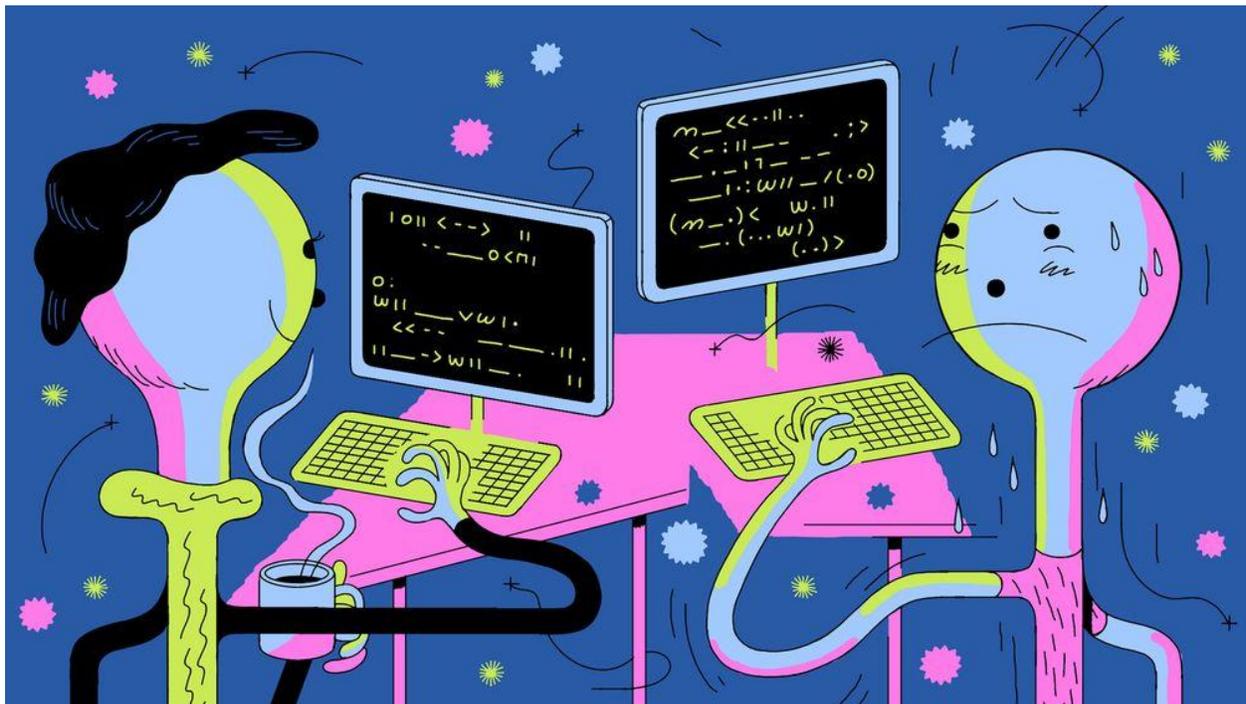
The system analyst and Designer work together in designing the software design and Designer design the best software design under the guidance of System Analyst.



Coding

It is the logical part of the development process. In this phase lots of brains are working for coding and get the final successful result for the software. In this a team of programmers is assigned by the company to work on the software.

The work is subdivided under a sub-phase called Task Allocation, where each task is assigned different coder. So, the development process is working faster.



Testing

By process of coding, then the final process testing is proceeding. When the software is ready it is sent to the testing department where Quality Analysts test it thoroughly for different errors by forming various test cases.

Once the testing department and Quality Analyst makes sure that the software is error-free, then it goes to the next stage. So, the testing process is complete when all the testing module is complete.



Implementation

This is the final phase of the software development life cycle. In this stage, if the software runs on various systems by users or buyers. If it runs smoothly on these systems without any flaw, then it is considered ready to be launched.

If it generates error then it goes to Testing Department for Testing and many coders write a new code for developers errorless Software.



In this Competitive Internet world, everyone wants to design their Software for its business. This software functionality must solve the user's need. Many users want new functionalities in their Software and Developer must provide this functionality in that software.

A Buyer must choose Software Development Company or Agency that fulfills the clients all requirements and develop Best, Robust and Errorless Software for the Client.

Smart Metro a Software Development Company develop superlative and Errorless Software for its client and fulfill all the requirements of the user.

