

# SYSTEM DEVELOPMENT LIFE CYCLE : MY WORDS

Ainna Azzyyati<sup>1</sup> and Nor Syamira Bt Rosli<sup>1</sup>

<sup>1</sup>AIS 275

March 12, 2018

*Assalamualaikum and very good morning, afternoon, evening and night from Araustralia , Pertlis . yeah !  
So today like a promise with you i would like to share a blink blink marvellious idea like a super power had  
it and you can use it like there is no tomorrow heuheuheuheu.*

## **What is SDLC?**

**SDLC** is Framework Development Life Cycle (SDLC) is a progression of six fundamental stages to create a hardware system only, a software system only or a combination of both to meet or exceed customer's expectations.

System is a general term, and according to Wikipedia; " A system is a set of interacting or interdependent components forming an integrated whole " it's a term that can be utilized as a part of various businesses, subsequently Software Development Life Cycle is a restricted term that clarifies the periods of making a product segment that incorporates with other programming segments to make the entire system. 6 main phrase in SDLC include:

### ***1-System Planning***

The Planning stage is the most pivotal advance in making a fruitful framework, amid this stage you choose precisely what you need to do and the issues you're attempting to comprehend by:

Characterizing the issues, the goals and the assets, for example, work force and expenses.

Concentrate the capacity of proposing elective arrangements in the wake of meeting with customers, providers, experts and representatives.

Concentrate how to improve your item than your rivals'.

In the wake of dissecting this information you will have three options: build up another framework, enhance the present framework or leave the framework as it may be.

### ***2-System Analysis***

The end-client's necessities ought to be resolved and archived, what their desires are for the framework, and how it will perform. A plausibility study will be made for the undertaking also, including deciding if it's

authoritatively, financially, socially, innovatively attainable. it's critical to keep up solid correspondence level with the customers to ensure you have a reasonable vision of the completed item and its capacity.

### ***3-System Design***

The plan stage comes after a decent comprehension of client's necessities, this stage characterizes the components of a framework, the segments, the security level, modules, engineering and the diverse interfaces and sort of information that experiences the framework.

A general framework configuration should be possible with a pen and a bit of paper to decide how the framework will look like and how it will capacity, and afterward a nitty gritty and extended framework configuration is created, and it will meet all utilitarian and specialized prerequisites, intelligently and physically.

### ***4-Implementation and Deployment***

This stage comes after an entire comprehension of framework prerequisites and details, it's the real development process in the wake of having a total and outlined plan for the asked for framework.

In the Software Development Life Cycle, the real code is composed here, and if the framework contains equipment, at that point the usage stage will contain design and calibrating for the equipment to meet certain prerequisites and capacities.

In this stage, the framework is prepared to be sent and introduced in client's premises, prepared to wind up running, live and profitable, preparing might be required for end clients to ensure they know how to utilize the framework and to get acquainted with it, the usage stage may take quite a while and that relies upon the unpredictability of the framework and the arrangement it presents.

### ***5-System Testing and Integration***

Bringing diverse parts and subsystems together to make the entire incorporated framework, and afterward introducing the framework to various contributions to acquire and investigate its yields and conduct and the way it capacities. Testing is ending up increasingly imperative to guarantee consumer loyalty's, and it requires no information in coding, equipment setup or outline.

Testing can be performed by genuine clients, or by a group of specific faculty, it can likewise be orderly and robotized to guarantee that the real results are contrasted and approach with the anticipated and wanted results.

### ***6-System Maintenance***

In this stage, occasional support for the framework will be completed to ensure that the framework won't wind up out of date, this will incorporate supplanting the old equipment and constantly assessing framework's execution, it additionally incorporates giving most recent updates to specific parts to ensure it meets the correct models and the most recent advances to confront current security dangers.

These are the fundamental six periods of the System Development Life Cycle, and it's an iterative procedure for each task. It's imperative to say that phenomenal correspondence level ought to be kept up with the client, and Prototypes are essential and accommodating with regards to meeting the prerequisites. By building the framework in short emphases; we can ensure meeting the client's prerequisites previously we assemble the entire framework.

Numerous models of framework improvement life cycle came up from sparing exertion, cash and time, notwithstanding limiting the danger of not meeting the client's necessity toward the finish of task, some of propositions models are SDLC Iterative Model, and SDLC Agile Model.