

SPM: Overview of Software Evolution

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Evolution is such a process. In which the software is developed step by step. In which we take requirements from different people. After that, applying all the rules of software engineering, develop the software according to the requirement.

In other words, software evolution is called software maintenance. Modification of any software takes place in this process. Whenever any software is modified. So it is seen in that what is the demand of the customer. And what is changing in the market. It is important to take care of all these things. It takes a lot of time and cost to make any software. In the meantime, we can increase the specification in any software according to the need. Or you can also remove it as per the need. This is the evolution of software.

There are three steps in software evolution.

1. When we develop any software, as long as we keep on maintaining and updating it. Until the software is developed according to the requirement of the user.
2. In software evolution, first of all go to different people and take the requirement of the people. After that analyze all the requirements. After that, whatever result comes out, then we plan to develop the software. According to the requirement, the software is developed.
3. When we develop software. So a model is prepared. After that, if the user needs any other change in the software, then the user tells it.

Software development life cycle

Whatever the step and process is in making any software project. Combining them all forms SDLC. This step is as follows.

The steps which are used in developing any software. They are divided into five parts.

Planning

Analysis

Design

Implementation

Maintenance

SDLC is formed by mixing all this.

Planning:-

Planning is very important before making any software. In planning, we see what are the goals of the software, what is the achievement of the software, what is the requirement of the software, how much will it cost to develop it, there can be so much risk in it. All this has to be thought before making. Now we can say how important it is to do planning before making any software.

Analysis:-

If we talk about the analysis phase, then the problems are understood closely in this. And by analyzing it, it is seen that what the user needs. According to the requirement of the user, software is developed accordingly. Hardware is also analyzed in this phase.

Design:-

The design phase plays an important role in developing any software. It has to be seen in this. What type of design does the user like. In this the hardware of the system would also have to be taken care of. Because it has to be seen on which operating system to run this software.

Implementation:-

To develop any software in this phase, coding, testing has to be done. Database design is first implemented within this phase.

Maintenance :-

The software gets developed in maintenance. After this, the problem that the user has in using the software. Those problems are solved. Maintenance is the last phase of software development. If you understand maintenance in simple words, then maintenance means according to a user, the solution to the problem is called maintenance.