

- Define the concept of Software Development Life Cycle

SDLC is basically a methodology with a clearly defined processes for learning and creating high-quality softwares, and actually, the SDLC methodology is focused on some specific phases, which are:

- Required analysis: On this phase, all the relevant information is collected, this means that all the important things will be taken away from the customer for future purposes as the developing a product according to his expectations.
- Design: The requirement gathered in the SRS document is used as an input and software architecture used for implementing a system.
- Implementation: This part starts when the developer finally gets the design document, so he can finally begin with the whole thing, also, all the components of the software are implemented on this phase.
- Verification: Verification starts once the coding is complete and the modules are released for testing. In this phase, the developed software is tested thoroughly and any defects found are assigned to developers to get them fixed.
- Maintenance: After finishing the whole deployment of the product, the maintenance of the product becomes such an important part for any issue that it could come up and of course it will need to be fixed or to do any enhancement, done by the developers.

- Describe with your own words the importance of SDLC

As I have mentioned before, I consider this whole methodology is such an important part for the development of software, and it is not a surprise that now is nothing but a mandatory to meet all the requirements to start being deployed.

I know it sounds bothering when you notice that there are so many phases, but when it comes to create a high-quality product, all of these represents and talks about a good product, so if you want to something good and durable, make sure your product could bring all its benefits and also meet all those steps.

In conclusion you cannot create good thing out of nothing, you need to follow some specific steps to reach the success in anything you are doing, and if it is a methodology, the more you have to get focused on what it says, just because all those steps are based on scientific research, so you can fully trust them and start doing your thing.

GITHUB PROFILE LINK:

<https://github.com/FranciscoHerediaC/Advanced-Programming.git>

