

SDLC stands for software development life cycle.

SDLC is a structured process that enables the production of high-quality, low-cost software, in the shortest possible production time.

SDLC involves:-

1. Analysis
2. Designing
3. Development
4. Testing
5. Deployment
6. Maintenance

->Planning and analysis involves checking the market need of the project. It involves defining the purpose of the application.

This step is important and it helps to see that the project doesn't deviate from it's original purpose and plan.

->Designing involves seeing how the application will work.

As the name suggests designing has to do with the user interface and design of the application. It involves managing how the application will appear and respond to input. Designing has to do with the front end development.

->Software development has to do with actual writing of the program and involves use of back end development languages. In this case source code is managed.

-> Software testing as the name suggests has to do with testing of the application, whether the application meets the requirements and the goal that was set during the analysis phase. Software testing is automated or manually done. Software testing involves finding errors and glitches and has to do with fixing those.

-> Deployment has to do with introducing the application to the market or launching it to the users.

-> In the phase of Maintenance, development cycle is almost finished but the maintenance part is still important. In this phase, the other bugs discovered by user which weren't found during testing, are resolved and as the name suggests this phase has to do with maintenance of the launched application.