Software Life Cycle Models In Software Engineering | PDF

The Software Development Life Cycle (SDLC) is a method for designing, developing, and testing high-quality software in the software industry. The SDLC is designed to deliver high-quality software that meets or exceeds customer expectations and is completed on time and on budget.

- ☐ The acronym SDLC stands for Software Development Life Cycle.
- ☐ Software Development Process is another name for it.
- ☐ The Software Development Life Cycle (SDLC) is a framework that defines the tasks that must be completed at each stage of the software development process.
- ☐ The international standard ISO/IEC 12207 governs software life-cycle processes. It aspires to be the industry standard for defining all software development and maintenance responsibilities.

What is SDLC?

Within a software organisation, the SDLC is a process that is followed for a software project. It is a detailed strategy that explains how to build, maintain, replace, and change or improve certain software. The life cycle is a mechanism for enhancing software quality and the development process as a whole.

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The many steps of a typical SDLC are depicted graphically in the diagram below.

1. Stage 1: Planning and Requirement Analysis
2. Stage 2: Defining Requirements
3. Stage 3: Designing the Product Architecture
4. Stage 4: Building or Developing the Product
5. Stage 5: Testing the Product
6. Stage 6: Deployment in the Market and Maintenance

Following are the most important and popular SDLC models followed in the industry

- Waterfall Model
- Iterative Model
- Spiral Model
- V-Model
- Big Bang Model

Read in detail at:
https://makeanapplike.com/sdlc-models-in-software-engineering-prototype-model-in-sdlc/