THE SOFTWARE DEVELOPMENT LIFE CYCLE

1 PLANNING

In the planning phase, the goals of the project, requirements, and the scope are defined. This stage involves brainstorming sessions and initial feasibility studies
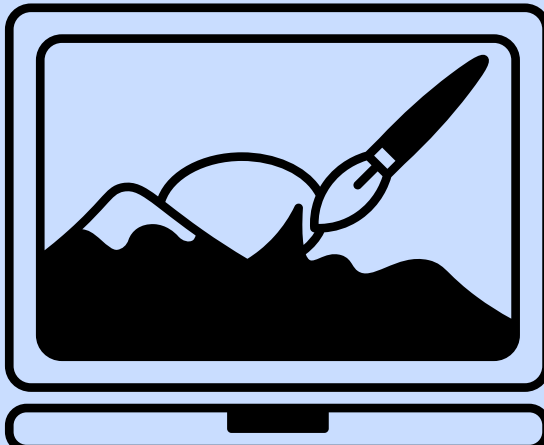

2 DEFINING

During the defining phase, user needs and system requirements are analyzed and documented. This involves gathering input from stakeholders, conducting interviews and creating requirement specifications
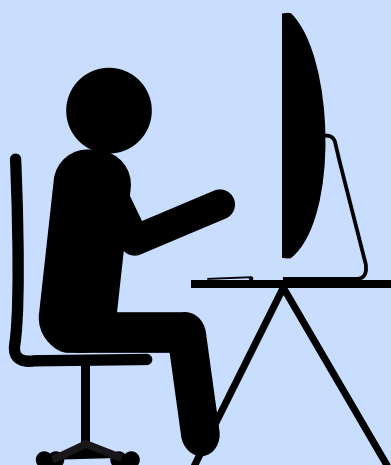
3 DESIGNING

In the designing phase, a detailed design of the software architecture and user interface is created based on the requirements gathered in the previous phase. This involves defining data models, system architecture and more
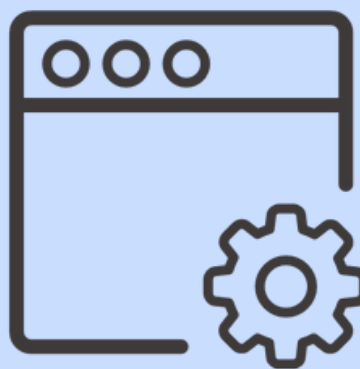
4 BUILDING

The building phase involves writing and coding the software to the design specifications established in earlier phases. Development teams work collaboratively to implement the planned features, functionality, and logic using programming languages and frameworks

5 TESTING

During the testing phase, the software undergoes rigorous testing to verify its functionality, identify defects, and ensure quality. Various testing techniques, such as unit testing, integration testing, and system testing, are employed to validate different aspects of the software.

6 DEPLOYMENT

In the deployment phase, the software is released to users and deployed in the production environment. This involves preparing the software for deployment, configuring servers, and migrating data as necessary.

What is the Software Development Life Cycle (SDLC) and how does it work?. Synopsys. (n.d.). https://www.synopsys.com/glossary/what-is-sdlc.html

Alexandra. (2024, February 28). What is SDLC? understand the software development life cycle. Stackify. https://stackify.com/what-is-sdlc/

Home: Software development life cycle (SDLC). Software Development Life Cycle SDLC. (n.d.). https://sdlc.uconn.edu/