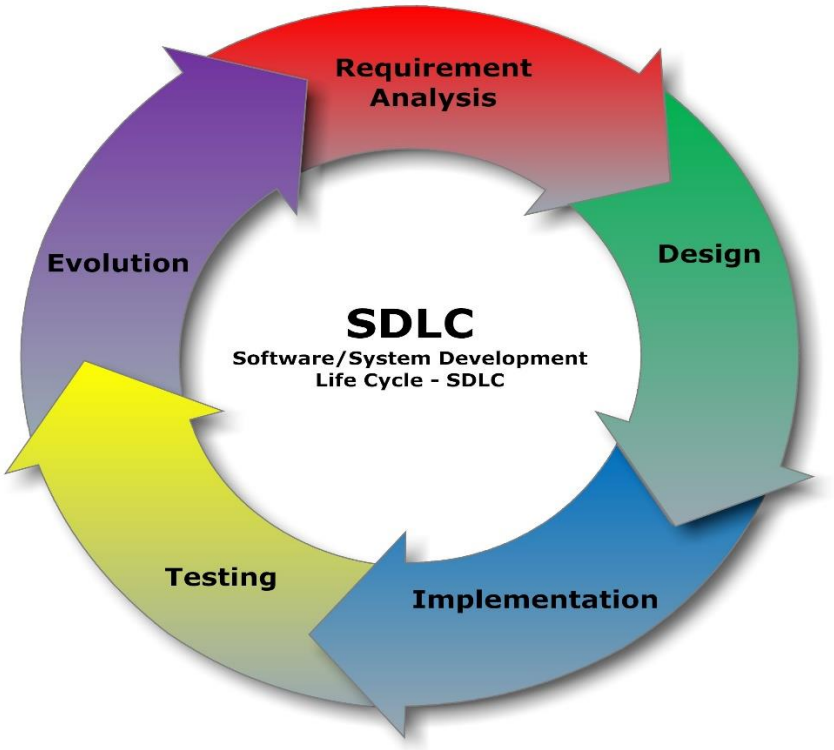
Assignment -1: SDLC Overview



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Create one -page-infographic that outlines the SDLC phases (Requirements, Design, Implementation, Testing, Deployment),highlighting the importance of each phase and how they inter connect.

SDLC stands for Software Development Life Cycle, it explains all necessary phases for developing software , there are seven phases of the SDLC:

1.Planning

2.Requirement Analysis

3.Design

4.Coding

5.Deployment

6.Deployment

7.Maintenance

Planning: The initial stage of software development , planning, involves defining the software's purpose and scope, much like pinpointing our destination and plotting the best route. The planning phase fosters effective communication and collaboration within the team. By defining clear roles, responsibilities, and expectations, it lays a solid foundation for an efficient software development process.

Requirement feasibility: This is second phase for software development, in this phase we analyse the requirement and resource for developing the feature or product and analyse the feasibility about resources that collecting this resources are feasible or not.

Design: In this phase we design the flow chart of application, design phase to navigate through the high level design and low level design . In High level design we create the flow or guide to navigate through the software/application, High level design is just a overview of how one can navigate through application. Low level are detailed description of every feature which we encounter in high level design.

Coding: In this phase developers do write logic i.e., coding using high level and low level programming languages having classes design and schemas.

Testing: In this phase testers do testing to check the code which was written by the developers to get the quality of the software.

Deployment: It is the last step of software development life cycle and delivers the final product of software to the customer. After the product deploys the product is ready for customers use.

Maintenance: In this phase developers maintain the software is monitored by the team to ensure it continues to function as it was designed to, and repairs or upgrades are performed as needed. When the software is released in to production, there will be need to made the updates or upgrades.