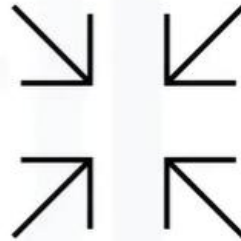


What is the Software Development Life Cycle?

Software development life cycle (SDLC)

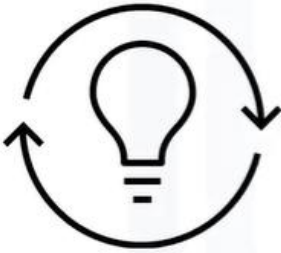
- Systematic process to develop high-quality software
- Aims to produce software that meets requirements
- Defined phases with their own processes and deliverables
- Cycle of planning, design, and development
- Minimizes development risks and costs



IBM Developer

SKILLS NETWORK 

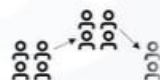
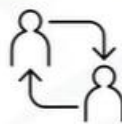
History of the SDLC



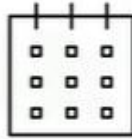
- Conceived of in the mid-1960s
- A deliberate approach needed to manage complex projects
- Initially used the waterfall method
- Adapted to use iterative methods

Advantages of the SDLC (1 of 2)

- Improves efficiency and reduce risks
- Team members know what they should be working on and when
- Facilitates communication among stakeholders
- Team members know when development can move to the next phase



Advantages of the SDLC (2 of 2)



- Respond to changing requirements
- Solve problems early in the process
- Reduces overlapping responsibilities