
SDLC Chatbot



What is Waterfall model?



The Waterfall model is a fundamental and straightforward approach to software development, which follows a linear and sequential process. It has five distinct phases: requirements, design, implementation, testing, and maintenance. This model is highly structured, making it easy to understand and use. However, once a phase seems to be completed, it cannot be changed, making the Waterfall model less flexible and less suitable for projects with changing requirements. The Waterfall model is considered a foundational approach to software development, but it is not in practice anymore due to its less flexible nature.



When to use Agile model?



Use the Agile model when quick adaptation to changing requests is required, especially in dynamic and fast-paced environments that may necessitate frequent alterations to the project. The Agile model's primary goal is to facilitate quick project completion with an emphasis on flexibility and adaptability.

Ask a question about SDLC...





What are the key principles in Agile model?



The Agile model in SDLC prioritizes individuals and interactions, working solutions, customer collaboration, and responding to change over rigid processes and documentation. These principles are outlined in the Agile Manifesto.



What are the steps in Agile model ?



The Agile model, being a group of development processes, does not have strict steps like the Waterfall model. However, it generally follows the following principles and practices:

1. Collaborate with the customer to create a prioritized product backlog.
2. Estimate the effort required to implement each item in the product backlog.
3. Plan sprints, typically of 1-4 weeks, to execute and deliver a working software increment.
4. Perform daily stand-ups to sync the team and discuss progress.
5. Continuously deliver working software at the end of each sprint.
6. Inspect and adapt the product and process at the end of each sprint.
7. Repeat the process, continuously improving, until the project is complete.

Each Agile methodology, such as Scrum, Kanban, or Extreme Programming (XP), may have additional practices or roles.

Ask a question about SDLC...





What is the capital of Japan?



I don't know.



Describe the stages in SDLC.



The Software Development Life Cycle (SDLC) consists of six stages:

1. Requirement Gathering & Analysis: This stage involves identifying and documenting the customer's needs and requirements.
2. System Design: In this phase, the system design is created based on the gathered requirements.
3. Implementation or Coding: During this stage, the coding of software components begins according to the design.
4. Testing: The newly developed software is tested for functionality, performance, and user experience.
5. Deployment: Once the software has been tested, it is deployed to the production environment.
6. Maintenance: After deployment, the software undergoes regular maintenance to fix bugs, improve performance, and update features as needed.

Ask a question about SDLC...

