

3Waterfall

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What is the Waterfall Model? The Waterfall model is a sequential and linear approach to software development. Each phase must be completed before moving to the next, with little room for iteration.

Phases of the Waterfall Model: Requirement Analysis: Gather and document all requirements. System Design: Create detailed designs for architecture and modules. Implementation: Write the code based on the design. Testing: Verify that the software meets requirements. Deployment: Release the final product to the customer. Maintenance: Fix bugs and make minor updates.

Key Characteristics: Rigid and structured process. Minimal customer involvement after the requirements phase. Changes are difficult and costly to implement once the project begins.