

Read More About Testing Models and Approaches in SDLC

SDLC Overview

The Software Development Lifecycle (SDLC) outlines the phases of software development, from planning to deployment. Testing is integrated throughout the SDLC to ensure that each phase meets quality standards and that the final product is reliable.

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Sequential Development Model

The sequential development model, or Waterfall model, involves a linear progression through development phases. Testing is performed after each phase, ensuring that each stage meets the required criteria before moving to the next.

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Incremental Model

The incremental model divides the development process into smaller, manageable components. Testing is conducted incrementally, allowing for early detection of issues and continuous feedback throughout the development process.

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DevOps and Testing

DevOps integrates development and operations practices to enhance collaboration and efficiency. Testing within a DevOps framework emphasizes continuous testing and feedback, ensuring that software is continuously monitored and improved.

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Shift-Left Approach

The Shift-Left approach involves moving testing activities earlier in the development process. By identifying defects early, this approach helps in reducing overall development costs and improving software quality.

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