

Lean Software Development

Lean Software Development?

- ❖ The Lean Software Development is an iterative methodology that belong to the Agile Methodologies group.
- ❖ The Lean Software Development methodology owes much of its principles and practices to the Lean Enterprise movement.
- ❖ According to the Lean Software Development methodology, the team should focus on delivering Value to the customer, and on the efficiency of the mechanisms that deliver that Value.

Lean Software Development?

- ❖ Trimming fat from the software development process should start from trimming the requirements keeping those important ones only.

Incomplete, missing, wrong, unverifiable, and conflicting requirements are filtered out during the requirement process.

- ❖ The Lean Software Development methodology focuses on the project management aspects and has no technical guidelines.

Lean Software Principles

❖ Eliminate Waste

Eliminate anything that does not add customer value. Select the most important features of the planned system and focus on developing them. Prioritize these features and deliver them in small batches.

❖ Amplifying Learning

Rapid reliable feedback between programmers and customers. Work product is done by customer request. Ensure the requirements are perfectly understood.

❖ Decide as Late as Possible

Don't make decisions until enough is known to make the decision. This way better decisions will be taken.

Lean Software Principles

❖ Delivering as Fast as Possible

When the request arrives deliver as fast as possible. Time to market.

❖ Empowering The Team

Respect the team members. That will increase their motivation. The decision should be taken by the empowered team.

❖ Building Integrity In

Taking out “not my problem” attitudes.

❖ Seeing The Whole

Cross functional teams. Avoid missing critical aspects of the problem and of the designed system.

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The Lean Software Development can be well integrated with other methodologies.

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