

[PDF] Lean Software Development: An Agile Toolkit

Tom Poppendieck, Mary Poppendieck - pdf download free book

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Description:

From the Back Cover

Lean Software Development: An Agile Toolkit

Mary Poppendieck Tom Poppendieck

Forewords by Jim Highsmith and Ken Schwaber

- Adapting agile practices to *your* development organization

- Uncovering and eradicating waste throughout the software development lifecycle
- Practical techniques for every development manager, project manager, and technical leader

Lean Software Development: An Agile Toolkit

***Lean* software development: applying agile principles to *your* organization**

In *Lean Software Development*, Mary and Tom Poppendieck identify seven fundamental "lean" principles, adapt them for the world of software development, and show how they can serve as the foundation for agile development approaches that *work*. Along the way, they introduce 22 "thinking tools" that can help you customize the right agile practices for any environment.

Better, cheaper, faster software development. You can have all three—if you adopt the same lean principles that have *already* revolutionized manufacturing, logistics and product development.

- Iterating towards excellence: software development as an exercise in discovery
- Managing uncertainty: "decide as late as possible" by building change into the system.
- Compressing the value stream: rapid development, feedback, and improvement
- Empowering teams and individuals *without* compromising coordination
- Software with *integrity*: promoting coherence, usability, fitness, maintainability, and adaptability
- How to "see the whole"—even when your developers are scattered across multiple locations and contractors

Simply put, *Lean Software Development* helps you refocus development on *value, flow, and people*—so you can achieve breakthrough quality, savings, speed, and business alignment.

About the Author

MARY POPPENDIECK, Managing Director of the Agile Alliance (a leading non profit organization promoting agile software development), is a seasoned leader in both operations and new product development with more than 25 years of IT experience. She has led teams implementing solutions ranging from enterprise supply chain management to digital media, and built one of 3M's first Just-in-Time lean production systems. Mary is currently the President of Poppendieck LLC, a consulting firm specializing in bringing lean production techniques to software development.

TOM POPPENDIECK was creating systems to support concurrent development of commercial airliner navigation devices as early as 1985. Even then, the aerospace industry recognized that sequential development of product design, manufacturing process design and product support was costly and non-competitive. His subsequent experience in software product development, COTS implementation, and most recently as a coach, mentor, and enterprise architect support the same conclusion for software development. He currently assists organizations that need to improve their software development capabilities apply the lean principles and tools described in this book.

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