

KANBAN

successful evolutionary change for your technology business

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Why Kanban?

- ✓ One size doesn't fit all
- ✓ Need for sustainable pace
- ✓ Apply Theory of Constraints
- ✓ Pull vs Push systems approach
- ✓ Limit Work In Process (WIP)
- ✓ Generate slack

Benefits Of Kanban

BUILD MATURITY

- ✓ focus on quality
- ✓ reduce work-in-progress
- ✓ deliver often
- ✓ balance demand against throughput
- ✓ prioritize
- ✓ attack sources of variability to improve predictability



- ✓ Excessive defects are biggest waste
- ✓ TDD does seem to help
- ✓ Code inspections? You betcha.
- ✓ Collaborative analysis and design
- ✓ Frequent releases build trust
- "Phone call over flowers & apology"
- ✓ Good people over 'world class'
- ✓ Shorter lead times for tacit knowledge
- ✓ Keep work to current context

...and my FAV... create slack

Pulling new work only as capacity is available... so as to create a culture of improvement... and dig this...

optimization for max utilization is NOT desirable.

nice, ha.

The Kanban Method

a number of cards, each representing a piece of work, as it flows through the system, once completed, serving as a signal, for when new work can be started

Why Use It?

- ✓ Expose and resolve issues quickly
- ✓ Make obvious: bottlenecks, defects, variability
- ✓ Establish trust along the value stream...
- ✓ Upstream and downstream with partners, vendors, others

FACILITATE HIGH TRUST

highly collaborative, highly empowered, continuously improving culture

5 Core Properties ...to produce Lean set of emergent behaviors

- ✓ Visualize Workflow
- ✓ Limit Work-in-Progress
- ✓ Measure and Manage Flow
- ✓ Make Process Policies Explicit
- ✓ Use Models to Recognize Improvement Opportunities

kaizen culture

The workforce is empowered to take action. Spontaneously **SWARM** on problems, discuss options and implement fixes and improvements.

The Kanban method is designed to reduce resistance to change.

OPTIMIZE WHAT ALREADY EXISTS

Implementing Kanban

mapping the value stream

- change as little as possible
- map the value stream as it exists
- map only the area you have control over
- identify work item types
- requirement
- feature
- user story
- use case
- change req
- bug
- you get the idea...

Model the work, not the workers

kanban a visual control system because work unseen is work uncontrolled

expose problems to make explicit trade-offs

a pull system, with work being pulled from a queue, based on capacity to handle new work

THEORY OF CONSTRAINTS to identify and alleviate bottlenecks

kanban gives people permission to be different & think for themselves

model what is then build incrementally

visibility makes inaction obvious

VISIBLE CAN GO VIRAL



anatomy of a work item card

Make it anything you want...to help you facilitate project management decisions.



go. matter. now.

because you are one bad-ass



IF NOTHING ELSE MAKE WORK VISIBLE