City
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Experiment Name: Agile Development Methodology

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What is a agile?

Agile software development refers to a group of software development methodologies based on iterative development, where requirements and solutions evolve through collaboration between self-organizing cross-functional teams. ... Read more about the **Agile** Manifesto.

12 Principles of Agile Methodology

- Agile is all about teamwork, transparency, and technical excellence. ...
- Satisfy The Customer. ...
- Welcome Change. ...
- Deliver Frequently. ...
- Work Together. ...
- Build Projects. ...
- Face-To-Face Time. ...
- Measure of Progress.

What are the phases of agile methodology?

As an example, the full Agile software development lifecycle includes the **concept**, **inception**, **construction**, release, **production**, and **retirement** phases.

When did Agile methodology start?

Agile is by no means critical of development methodologies developed in the **1970s** and **1980s** in response to the chaotic and unplanned approaches often used in the early days of software. In fact, 1970 to 1990 was largely when foundational theories and practices of software engineering came into being.

Where Did Agile Come From?

If you're running a lean startup. or managing your business according to the Lean Six Sigma methodology, then you'll probably have heard of the term 'agile.' An agile business is a company that responds quickly and effectively to both opportunity and risk in either the internal or external business environment. Many lean experts have mentioned that Agile is likely a better term than "lean", since it often makes people think about a diet or initiative to reduce staff.

Agile specifically refers to an improved way to develop and release software, using lean principles. The idea is to make the work visual, minimize the work-in-process

(WIP), make problems visible, interact frequently with your customer, create empowered teams, and keep the batch sizes (tasks to complete) as small as possible. Even if you don't use software, hopefully you can see how the principles could be used in any process or industry.

So, where did the term and the idea of 'agile' come from? Here is a brief history of Agile's main principles and how they came to be.

The Agile Manifesto

The idea of agile business all began back in 2001. In the Wasatch mountains of Utah, seventeen people got together to ski, relax, share ideas and of course, sample some tasty food. Amongst them were Agile pioneers Alistair Cockburn and Ken Schwaber. The participants were a group of software developers and programmers who all agreed that a change was needed. Furthermore, they brought their own well-defined methods to the table, including Extreme Programming (XP), SCRUM and Crystal. The meeting culminated in the 'Agile Software Development Manifesto', in response to the need for an alternative to the heavyweight, documentation-driven software development processes of the time.

Signed by all the participants, the *Manifesto for Agile Software Development* was a symbolic result. The group of independent thinkers named themselves 'The Agile Alliance.' Although certain individuals were sometimes competitors to one another, they all agreed on one thing – they felt privileged to work with a group of people who shared similar values and opinions.

At the core, the first Agile methodologists held values based on trust and respect for each other, promoting models of organization that are based on people, and improving collaboration to build the type of organizational communities where they would like to work. Today, almost two decades later at the time of this post, Agile values have changed very little.

Three top agile methodologies to work with

- Scrum. Scrum, as one of the top agile methodologies, is used to work on complex projects and is focused on the faster delivery of high-quality software. ...
- Kanban. The next framework used in agile is Kanban. ...
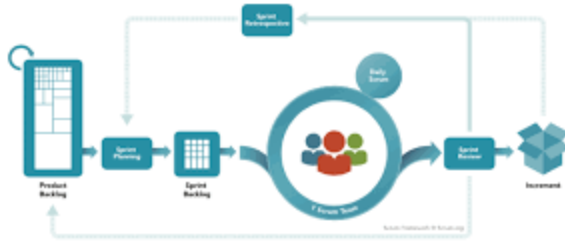- Extreme Programming (XP)

Scrum

Software development

Description

Scrum is an agile framework for managing knowledge work, with an emphasis on software development, although it has wide application in other fields and is slowly starting to be explored by traditional project teams more generally.

SCRUM FRAMEWORK

Kanban a framework?

Recently, I hear some people familiar with Scrum compare it with Kanban by saying that "Kanban is also a framework" or that "Kanban offers an alternative framework."

I know several leaders in the Scrum community promote Scrum as a framework and depending on how you define "framework," it is a reasonable definition.

I do, however, want to take issue with the idea that "Kanban is a framework." Kanban is not a framework! It can be used as a point solution to improve service delivery - as was first done with Microsoft's XIT Sustaining Engineering group between 2004 and 2006 - or you can extend its use to catalyze evolutionary change and improve a wide range of knowledge work services in your organization. If you must cast Kanban as an Agile method then it is an Agile approach to change and improving service delivery. Arguably, it is currently the _only_ Agile change management process. It is also the only method to emerge from the Agile community that takes a "start with what you do now" approach, and asks you to view your current work as a set of services that can be improved in an evolutionary fashion.

If Kanban were a framework it would suggest that it gives you the skeleton of a process framework and that you have to enhance and embellish that skeleton in order to have a specific process for a given context. This is clearly not how the Kanban Method works.