12/09/2019

Emre Baybas

**Agile Methodology**

Agile is a collection of values, principals and making project management decisions that are consistent with these values and principles.

Agile methodology is a type of project management process, mainly used for software development, where demands and solutions evolve through the collaborative effort of self-organizing and cross-functional teams and their customers.

Agile methodology gives people a common foundation on decision making for developing software in the best iterative way possible. Agile is a feedback dependent methodology that includes customer more during the development of a software.

**Agile Principles**

* Choosing people over processes and tools
* Choosing working software over comprehensive documentation
* Choosing customer collaboration over rigid contracts
* Motivating individuals
* Empowering self-organizing teams
* Responding to the change rather than following a plan
* Face-to-face communication
* Sustaining technical excellence
* Sustaining good and simple design
* Satisfying customer by delivering a working quality software frequently

Traditional development models were based on a timeline approach, where development happened sequentially and the final product wasn’t revealed to customers until the very final step. Agile was created as a response to the inadequacies of traditional development methods such as the Waterfall method. Agile project management is a methodology that is commonly used to deliver complex projects due to its adaptiveness. It emphasizes collaboration, flexibility, continuous improvement, and high-quality results.

**Agile Frameworks**

* Scrum
* Kanban
* Extreme Programming (XP)
* Crystal
* Feature Driven Development (FDD)
* Dynamic Systems Development Model (DSDM)
* Rapid Application Development (RAD)
* Scaled Agile
* Disciplined Agile
* Adaptive Software Development (ASD)