

UNDERSTANDING

AGILE

ENGLISH DEFINITION

ag·ile

/ˈajəl/ 

adjective

1. able to move quickly and easily.
"Ruth was as agile as a monkey"
synonyms: nimble, lithe, supple, limber, acrobatic, fleet-footed, light-footed, light on one's feet; [More](#)
2. relating to or denoting a method of project management, used especially for software development, that is characterized by the division of tasks into short phases of work and frequent reassessment and adaptation of plans.
"agile methods replace high-level design with frequent redesign"



Translations, word origin, and more definitions

IN PERSPECTIVE

- ▶ Agile development is based on iterative incremental development, in which requirements and solutions evolve through team collaboration
- ▶ It recommends a time-boxed iterative approach, and encourages rapid and flexible response to change
- ▶ It is a theoretical framework and does not specify any particular practice that a development team should follow
- ▶ “Agile Development” is an umbrella term for several iterative and incremental software development methodologies

IN PERSPECTIVE

- ▶ Most Popular Agile Methodologies include:
 - ▶ Extreme Programming (XP)
 - ▶ SCRUM
 - ▶ Dynamic Systems Development Method (DSDM)
 - ▶ Lean Development
 - ▶ Feature Driven Development (FDD)

HISTORY

- ▶ In 2001, 17 individuals gathered in the Wasatch mountains of Utah at Snowbird Resort to find common ground around Agile
- ▶ They discussed the problems/challenges in the world of development.
- ▶ After much skiing, talking, relaxing, and eating, they arrived at four common values that led to the development of the Agile Manifesto

AGILE MANIFESTO

We are uncovering better ways of developing software by doing it and helping others do it. Through this work, we have come to value:

- ▶ Individuals and interactions over processes and tools
- ▶ Working software over comprehensive documentation
- ▶ Customer collaboration over contract negotiation
- ▶ Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

MANIFESTO ITEMS ON THE LEFT

Manifesto Item	Description
Individuals and interactions	Importance needs to be given to: <ul style="list-style-type: none">▸ self-organization and self-motivation of the team members▸ continuous interaction for work, clarifications, information among the team members
Working Software	Delivery of working software at short duration intervals helps gain customer trust and assurance in the team.
Customer collaboration	Constant involvement of customer with the development team ensures communication of necessary modifications.
Responding to change	Focus on quick response to the proposed changes, which is made possible with short duration iterations.