Agile is a set of values and principles

is not a methodology

is not a specific way of devoloping software

is not a framework or process

History of Agile

The Agile Manifesto

**In 2001, 17 independent Software Leaders met in America for brainstorming.** They aimed to find out how to develop software better by using different knowledge and approaches. After two days of brainstorming, they released the Agile Manifesto.

The Agile Manifesto was a powerful statement, carefully crafted using only **68 words.** Everyone agreed that the Agile Manifesto was both short and authoritative. While traditional methods advocated a stable plan and avoided changes, the manifesto focused on;

* **people,**
* **communication,**
* **product,**
* **flexibility.**

1. **Individuals and interactions over processes and tools**

Valuing people more highly than processes or tools is easy to understand.

1. **Working software over comprehensive documentation**

The Agile Manifesto values documentation, but it values working software much more.

1. **Customer collaboration over contract negotiation**

In traditional methods, customer is involved in the process of development before development began and after it was completed, but not during the process. In the Agile Manifesto customers engage and collaborate throughout the development process.

1. **Responding to change over following a plan**

Agile’s view is that changes always improve a project and provide additional values.

### Agile Principles

In the months following the publication of the Agile Manifesto, the original signatories continued to communicate. They augmented the four values of the manifesto with the following 12 principles.

1. Our highest priority is to **satisfy the customer** through early and continuous delivery of valuable software.
2. **Welcome changing requirements**, even late in development. Agile processes harness change for the customer’s competitive advantage.
3. Deliver working software frequently, from a couple of weeks to a couple of months, with preference to the **shorter timescale**.
4. Business people and developers must **work together** daily throughout the project.
5. Build projects around **motivated individuals**. Give them the environment and support they need, and trust them to get the job done.
6. The most efficient and effective method of conveying information to and within a development team is **face to face conversation**.
7. Working software is the primary **measure of progress**.
8. Agile processes promote **sustainable development**. The sponsors, developers, and users should be able to maintain a **constant pace** indefinitely.
9. **Continuous attention** to technical excellence and **good design** enhances agility.
10. Simplicity -the art of **maximizing the amount of work** not done- is essential.
11. The best architectures, requirements, and designs emerge from **self-organizing teams**.
12. At **regular intervals**, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

They are about giving you the ability to make a good decision

### Scrum Roles

There are three main roles in scrum projects. These are the **Product Owner**, **Scrum Master**, and **Development Team**.

**Product Owner** (PO) is the business representative in the team and speaks for the needs of the project for maximizing the value delivered in each sprint. The product owner represents stakeholders and is the voice of the customer. Therefore, the product owner works together with stakeholders and prioritizes the product requirements.

**Scrum Master** coaches the team, protects the team from organizational distraction, clears any obstacles encountered and helps team members focus on what they do. Scrum Master ensures that scrum is understood well by the team members and it is working properly. Scrum Master constantly improves the team's environment. While the product owner has a directing role, Scrum Master has an enabling role in a scrum team.

A **Development team** usually consists of 3-9 people and performs daily tasks. The team is project-oriented and dedicated to the success of the project. Each team member is very talented that is, the team members are skilled in certain subjects. Each member can do more than one job on the project. Discipline and integrity are the key terms for a successful team.