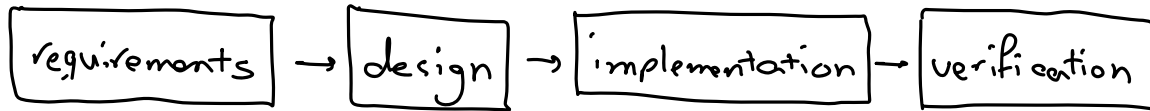


Product Owner Certification

⚠ Waterfall



⚠ Minimum Viable Product

↳ a product or a service that has just enough core features to effectively deploy it to a select set of customers and early adopters who can give direct & valuable feedback while it's still early & inexpensive to make changes

⚠ Agile Manifesto

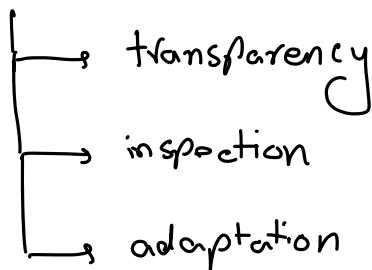
- ↳ individuals and interactions over processes & tools
- ↳ working software over comprehensive documentation
- ↳ customer collaboration over contract negotiation
- ↳ responding to change over following a plan

⚠ Agile principles

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

⚠ Scrum is a lightweight framework which helps people, teams and organizations generate value through adaptive solutions for complex problems

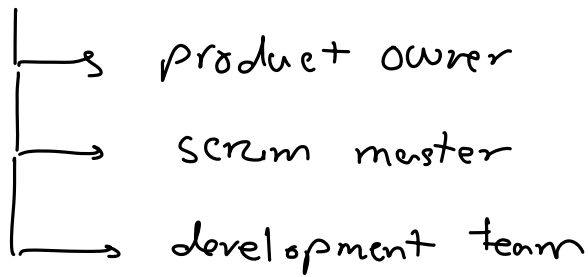
⚠ pillars of empirical process control



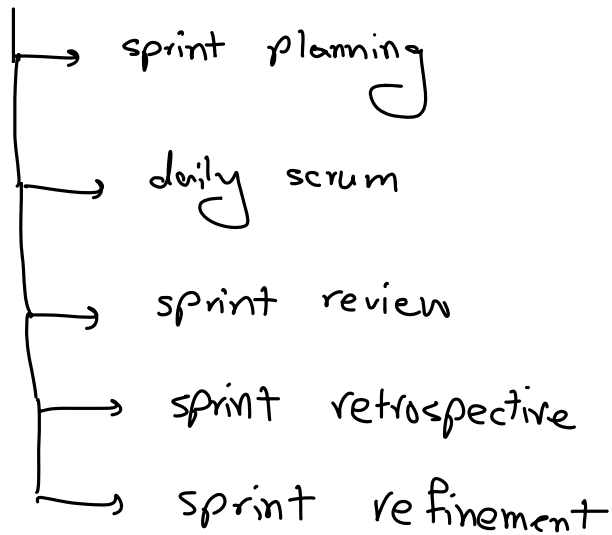
⚠ Scrum Five values

↳ courage, focus, commitment, respect, openness

⚠ Scrum roles

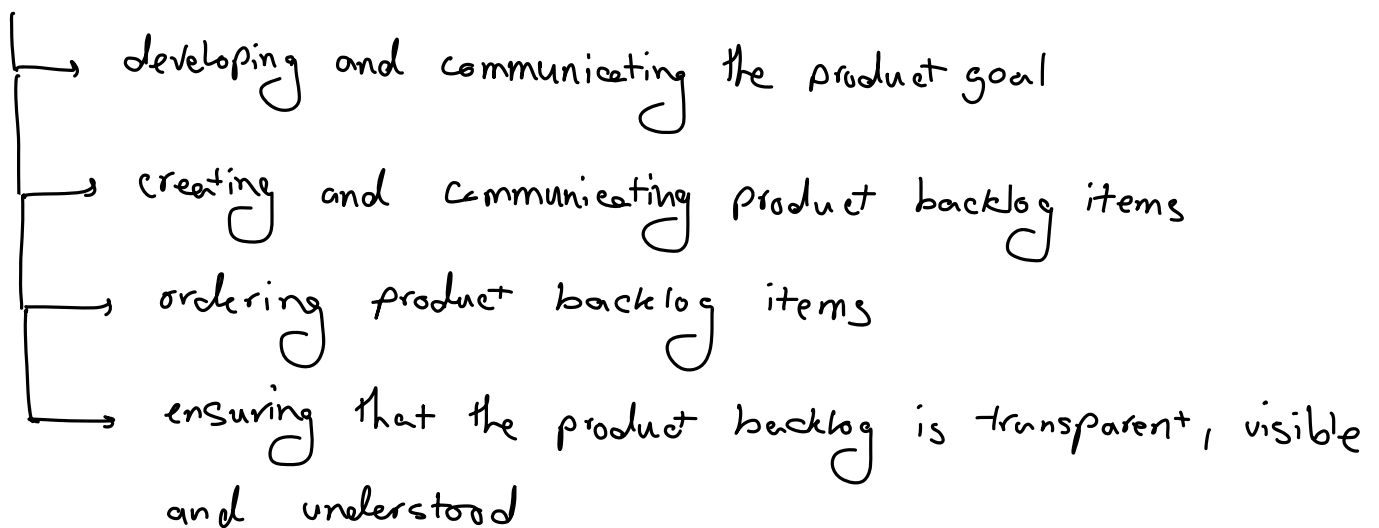


⚠ Scrum Events



⚠ Scrum is founded on empiricism & lean thinking

⚠ Product Owner Accountability



⚠ Product owner is a single person, not a committee

⚠ Product backlog

- list of what is needed to improve the product
- ordered list of items based on ROI, risk, ...
- transparent
- minimal but sufficient

⚠ One Product has

- one product owner
 - one product goal at any given time
 - one product backlog
- is a commitment

⚠ product owner is accountable for creating & communicating the PG

⚠ The Increment

- stepping stone to product goal
- building on prior increments
- ensuring cohesion & quality
- delivering usable value
- presenting at sprint review
- releasing value continuously
- meeting the definition of done

⚠ Sprint backlog consist of

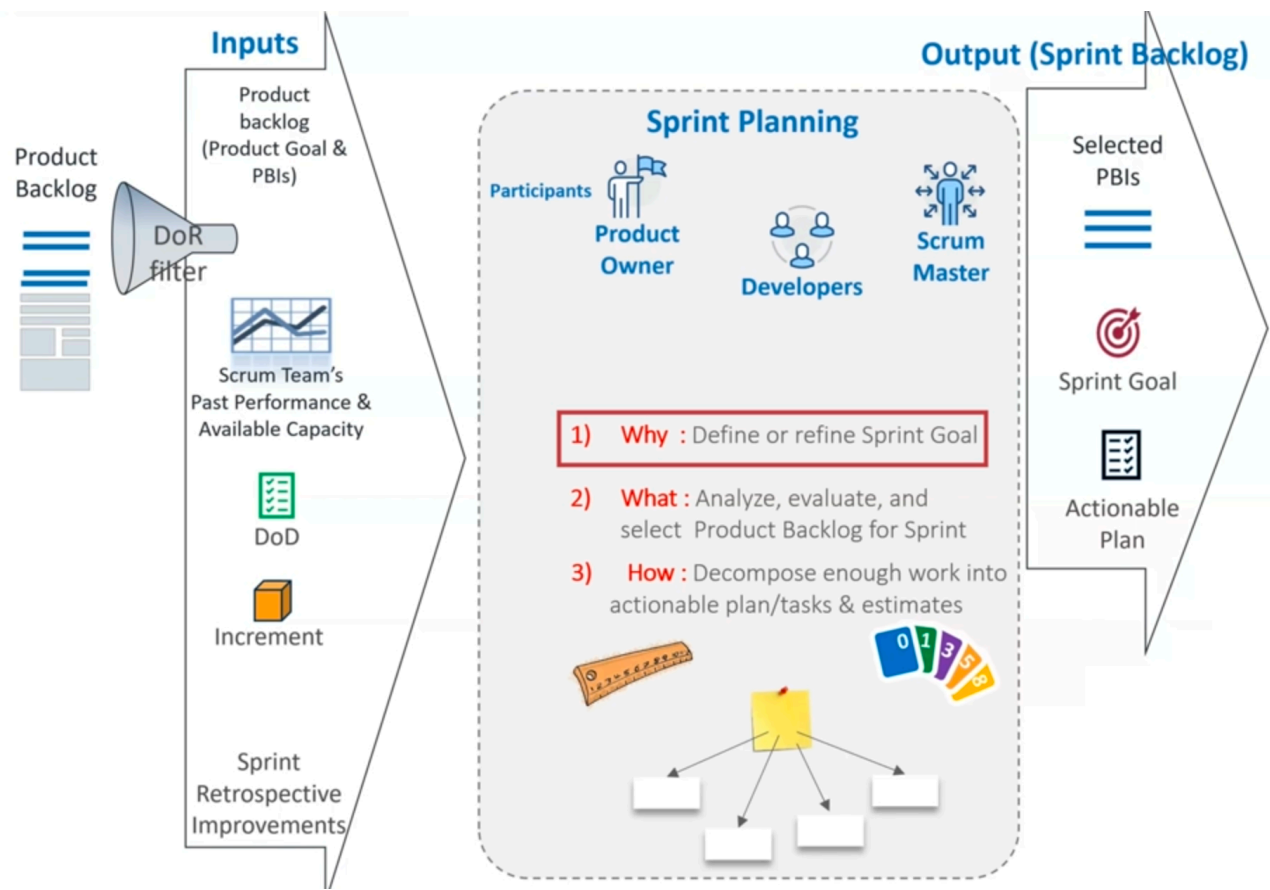
- the sprint goal (why)
- selected product backlog items (what)
- a plan (how) for delivering the increment

△ the definition of done is a formal description of the state of the increment when it meets the quality measures required for the product

⚠ Agile Product development using Scrum

- ① new ideas for product
- ② refine product vision
- ③ product environment analysis
- ④ identify and define product strategic options
- ⑤ features identification and prioritization
- ⑥ product backlog
- ⑦ sprint planning
- ⑧ PRJ in sprint backlog
- ⑨ Increment
- ⑩ Sprint review
- ⑪ releasable increment

⚠ Sprint planning



⚠ Daily Scrum

- Maximum 15 minutes timebox daily event



- Participants:

- Developers (Mandatory)
- Scrum Master & PO (Optional)



Developers



Scrum Master



Product Owner

- Objectives

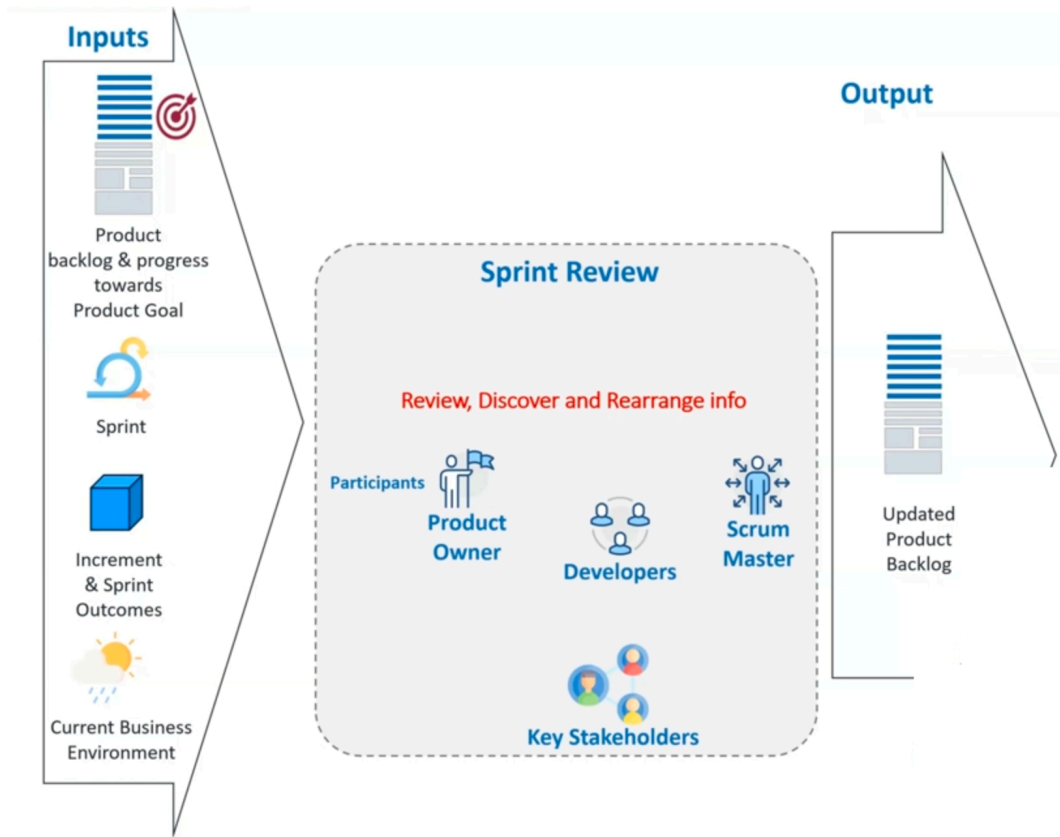
- Inspect progress towards the Sprint Goal
- Create a plan for the next working day.



Sprint Goal

Sprint Goal	Sprint Backlog (User stories)	Tasks to do	Tasks in progress	Stories/Tasks Done
A basic online store to browse and purchase Books				

⚠ Sprint review



⚠ Sprint retrospective

