

Product Owner PSPO 7 Scrum

Product owner certifications 2022

⚠ 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.

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 a 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.

⚠ Scrum is an agile framework for developing, delivering, and sustaining complex products

⚠ Scrum roles

- product owner
- scrum master
- development team

⚠ Scrum team

- cross functional
- self-organized
- designed for flexibility, creativity and productivity
- to deliver incremental iterations

⚠ Product owner

- bridges the gap between
 - customers, stakeholders, and development team
- working with people to define
 - problems they're having
 - the requirements
- owns the backlog
- is one person, not a committee

→ has clear vision to meet customer needs and produce a worthwhile benefit

⚠ Development team is committed to create any aspect of a usable increment each sprint

⚠ Scrum Master serves the scrum team by

- coaching the team members in self-management & cross-functionality
- helping the scrum team focus on creating high value increments that meet the "definition of done"
- causing the removal of impediments to the scrum team's progress
- ensuring that all scrum events take place and are positive, productive, and kept within the time box

⚠ Scrum Events

- sprint planning
- daily scrum
- sprint review
- sprint retrospective

⚠ time-box ~ allocating a fixed amount of time

⚠ Scrum Events time-boxes

- sprint planning: maximum 8 hours for monthly sprints
- sprint review: 4 hours
- sprint retrospective: 3 hours
- backlog refinement: no more than 10% of the dev's team capacity

⚠ Product owner sets clear goal for sprint

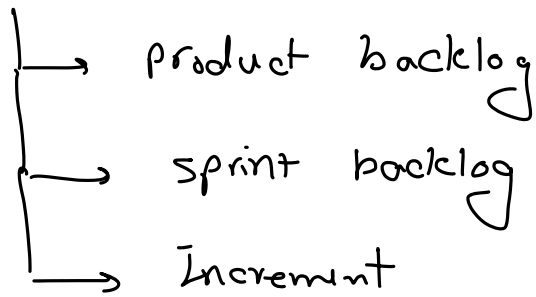
⚠ daily scrum benefits

- ensures regular communication
- eliminates the need for other meetings
- identify any blockers early
- reinforces the goal and motivation
- keeps an eye on progress

⚠ Product Owner is looking to get these at sprint review

- sense of progress
- clarity on what is needed from the next sprint
- confirmation on satisfying customer requirements
- ideas on how to revise the product backlog
- alerted to change requirements

⚠ Scrum Artifacts



⚠ The Scrum artifact must be inspected frequently to detect undesirable variances or problems

↳ inspection enables adaptation

⚠ Definition of Done

↳ a formal description of the state of the Increment when it meets the quality measures required for the product

↳ is a good place to cover non-functional requirements

↳ security

↳ scalability

↳ availability

↳ reliability

↳ usability

↳ performance

↳ capacity

↳ maintainability

⚠ sprint backlog is the work items that chosen from product backlog in sprint planning session

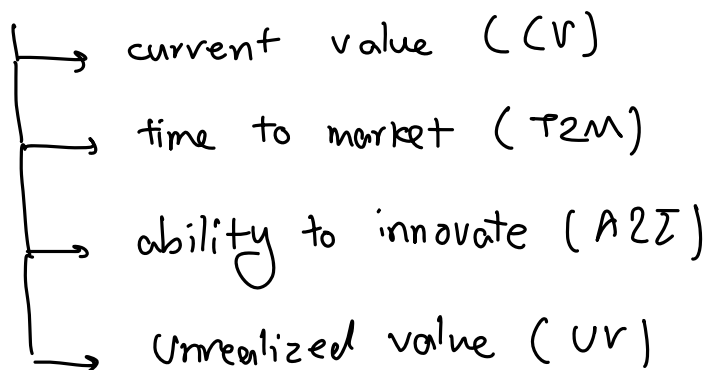
⚠ Sprint backlog is a highly visible, real-time picture of the work that the development team plans to accomplish during the sprint

⚠ An Increment is a step toward a vision or goal: an additive to previous increments

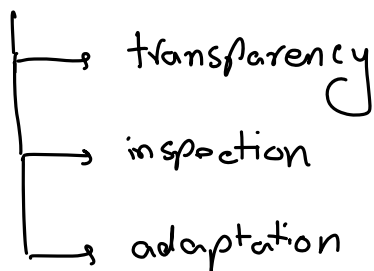
⚠ Sprint goal = to produce at least one increment

⚠ evidence-based management (EBM) provides organizations the ability to measure the value that they're delivering to the customer

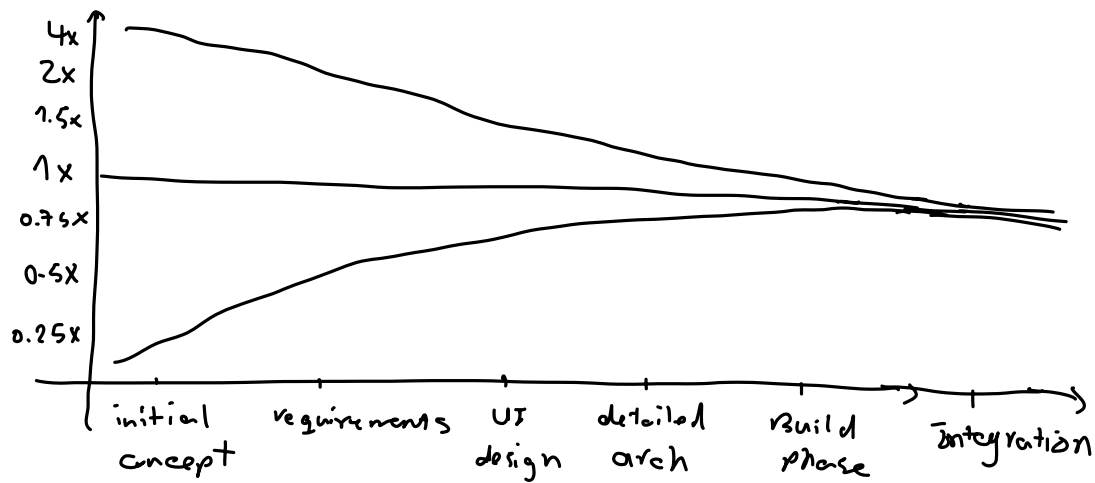
⚠ 4 key value areas (KVA)



⚠ pillars of empirical process control



⚠ The cone of uncertainty



⚠ tools for backlog management

- Jira
- Trello
- Asana

⚠ tools for sprint retrospective

- scatter spoke
- retrotool.io

⚠ A good product vision communicates

- what the product will do
- who is the product for
- why the product will do what it does

⚠ 5 steps of problem solving

- define the problem
- brainstorm solutions
- pick a solution
- implement a solution
- review

⚠ traits of a good product vision

- shared (team buy-in)
- Succinct (elevator test)
- emergent (grows and evolves as more is learned about the product)