AGILE - SCRUM FRAMEWORK

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AGILE PROCESS

AGILE MANIFESTO

Individual and interactions – over process and tools

Working Software – over comprehensive documentation

Customer Collaboration – over contract negotiation

Responding to change – over following a plan.

POPULAR AGILE FRAMEWORK

Scrum
Focus: Team-led projects

Kanban
Focus: Streamlining workflow

Extreme Programing
Focus: Value Delivery

- Control over the empirical process
- Self-organization
- Collaboration
- Value-based prioritization
- Time-boxing.
- Iterative development

- Visualize (the work, the workflow, and the business risks)
- Limit Work-In-Progress (WIP)
- Manage flow.
- Make policies explicit.
- Implement feedback loops.
- Improve collaboratively, evolve experimentally.

- Pair Programming.
- Deadline.
- Continuous Process.
- Coding Standards.
- Sustainable Pace.
- Test Driven Development (TDD)

SCRUM TEAM MEMBER

Product Owner

- Ensure user story is ready
- Backlog grooming
- Close collaboration with dev. Team
- Release tracking
- Story Acceptance
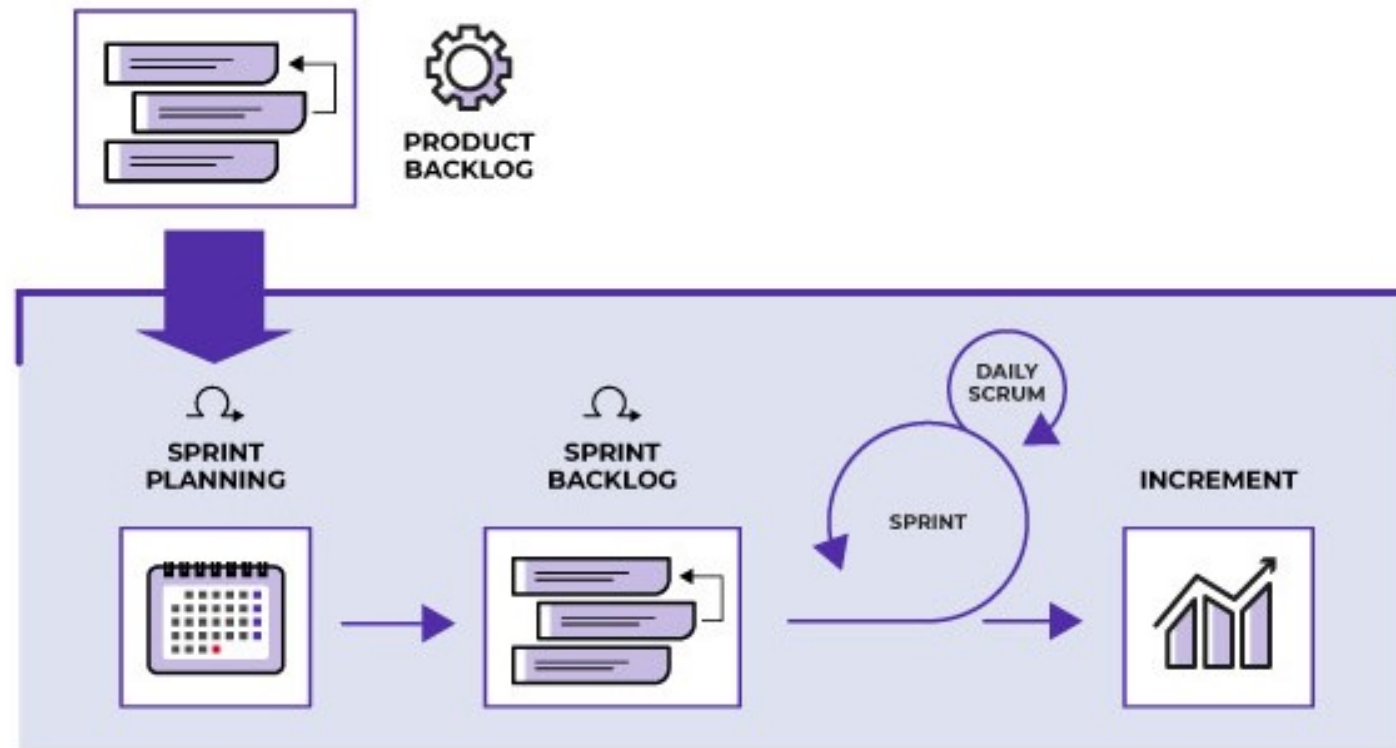- Negotiate priorities, scope, funding, and schedule

Scrum Master

- Coach
- Facilitator
- Removing Impediments
- Interference Gatekeeper
- Servant Leader
- Process Improver

The Development team

- Development and Delivery
- Tasking and Providing Estimations
- Testing
- Analysis
- 3 to 9 members excluding the Scrum Master and Product Owner.

SCRUM FRAMEWORK

SCRUM PROCESS

- A team works in short timeboxes (called Sprints), **typically 2-4 weeks long** but do not exceed a calendar month.

- An ordered list of work needed for the product called the **Product Backlog is created.**

- Before each Sprint, the Scrum Team co-creates a Sprint Goals for that Sprint, and they select necessary **Product Backlog Items** to deliver that goal.

- Each day, the team meets for no more than 15 minutes in a Daily Scrum meeting to discuss progress towards the Sprint Goal and **make any necessary plan changes**.

SCRUM PROCESS

- At the end of the Sprint, the completed work should be in a state that meets the definition of done (DoD) and is **ready for release**.

- The Scrum Team then holds a Sprint Review where **they review** what was accomplished, gather feedback, and discuss what they will do next.

- The Scrum Team then inspects the Sprint during a Sprint Retrospective and reflects on what they have learned and what they **can improve upon for the next Sprint.**

POPULAR SCRUM MASTER CERTIFICATION

- Scrum alliance

- Scrum Org.

- Scrum Inc.

- PMI Institute

- Scaled Agile

ROLE WISE SCRUM CERTIFICATION

CSM : Certified Scrum Master

ACSM :Advance Certified Scrum Master

CSP –SM : Certified Scrum Professional ScrumMaster

CSPO : Certified Scrum Product Owner

A-CSPO : Advance Certified Scrum Product Owner

CSP-PO : Certified Scrum Professional Product Owner

CSD : Certified Scrum Developer

CSP : Certified Scrum Professional

Cal : Certified Agile leadership