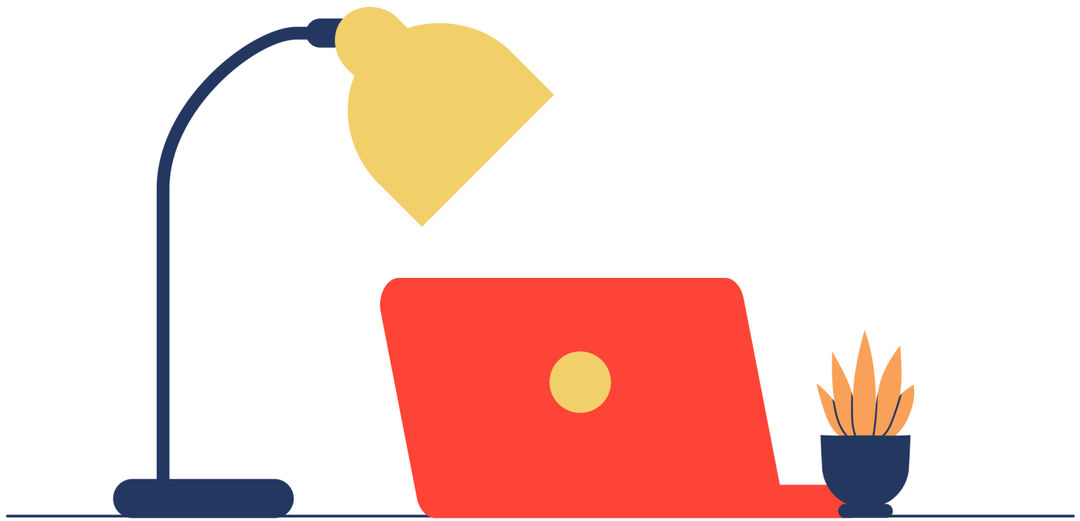
Agile, Scrum, and Kanban: What the Heck Do These Words Really Mean?



These are frameworks !



- As software developers, we all know about JS frameworks and CSS frameworks.
- But What does “Scrum framework” mean?
- In the modern software development environment, we increasingly hear words like “agile,” “scrum,” and “kanban,”

What is Scrum?

"A framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible value."

ROLES :

Product Owner

Works with stakeholders and end-users to determine features to be shipped with the product release

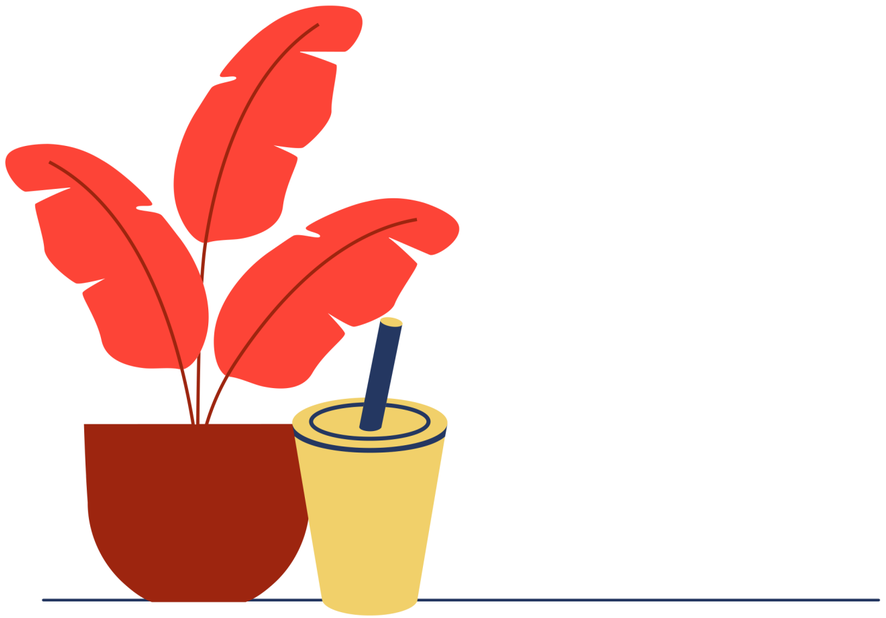
Scrum Master

Responsible for coordinating people, platforms, and processes to ensure the projects move ahead smoothly

Development Team

Developers, testers, designers, analysts, and anyone involved in delivering product increments

Scrum ceremonies



Sprint planning

This meeting is used to map out the scope, goals, and any issues or concerns for the upcoming sprint

Daily Scrum

also called the daily stand-up, is a short, time-boxed daily meeting in which each team member delivers a brief status update

Sprint Review

First of two post-sprint ceremonies. During the sprint review, that new feature is demonstrated and feedback solicited from managers and stakeholders.

Sprint Review

Second ceremony to take place after a sprint has been completed. The Scrum team reviews its processes to determine what can be improved in subsequent sprints.

Artifacts

01 Product Backlog

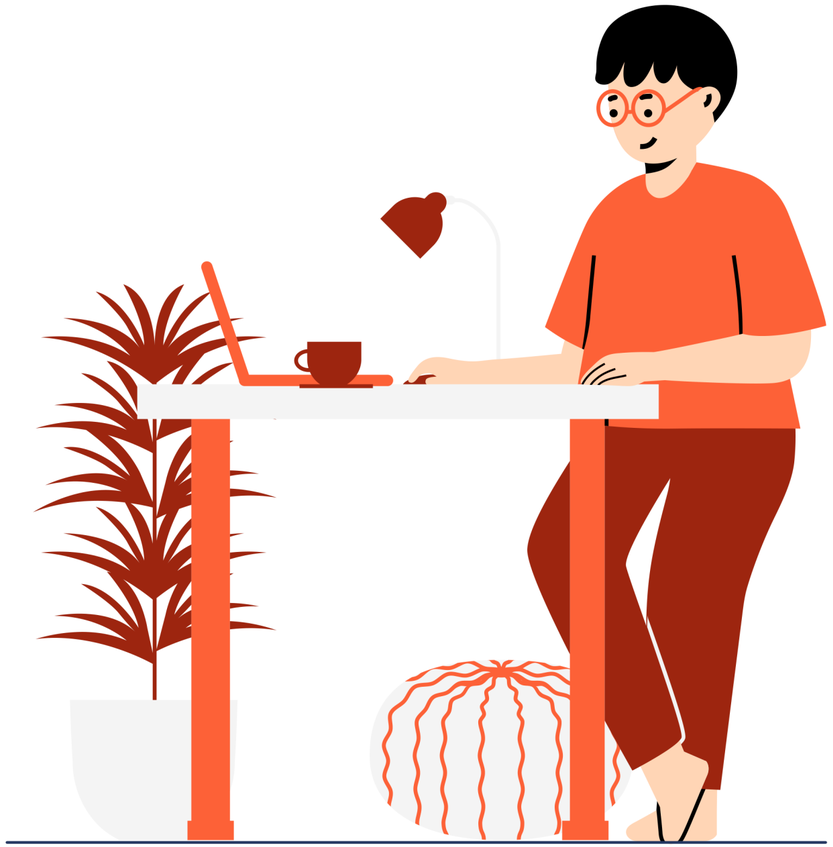
ordered list of everything that is known to be needed in a product based on the product goal.

02 Sprint Backlog

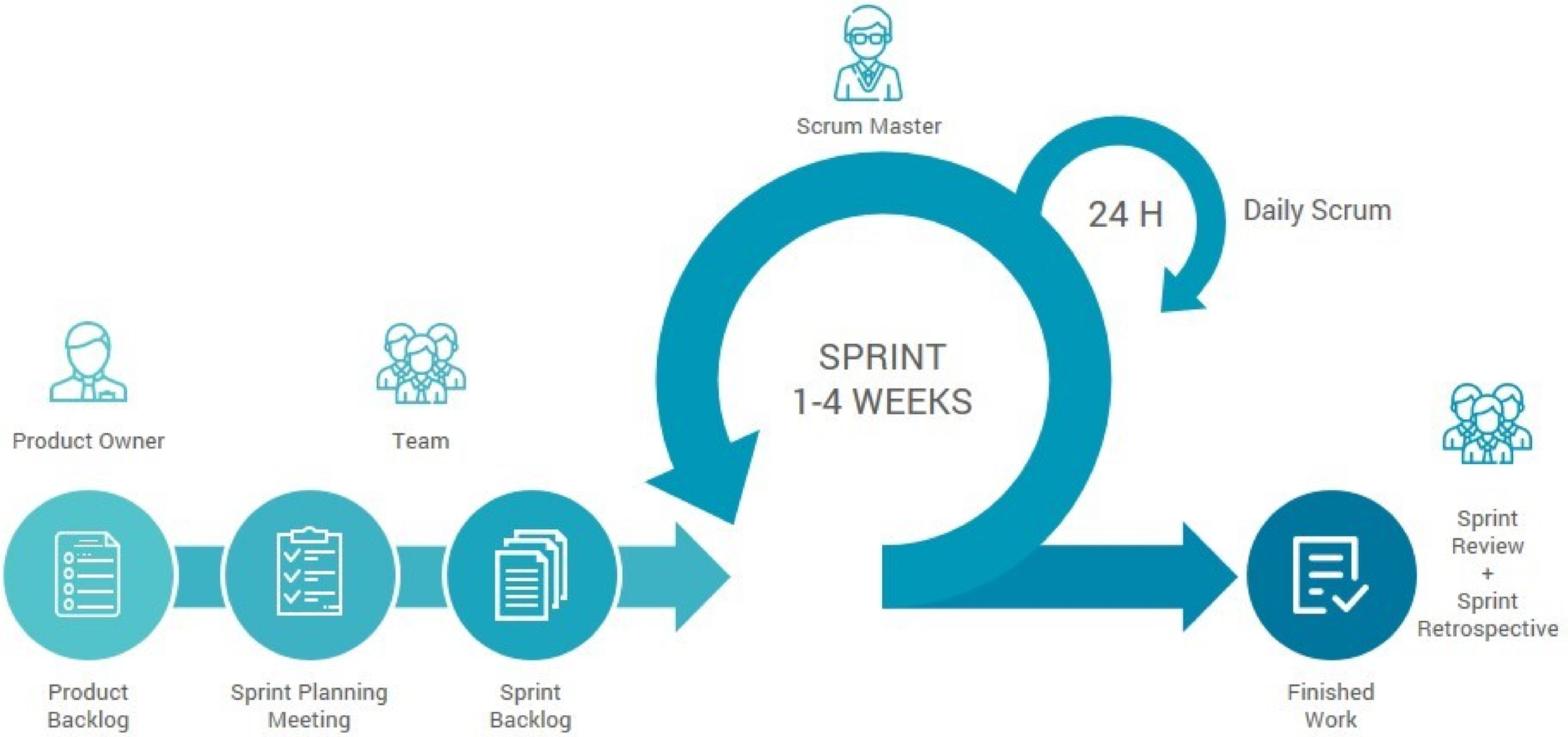
list of everything that the team commits to achieve in a given sprint

03 Product Increment

At the end of every sprint, the team delivers a product increment that is potentially releasable, meaning that it meets their agreed-upon definition of done.

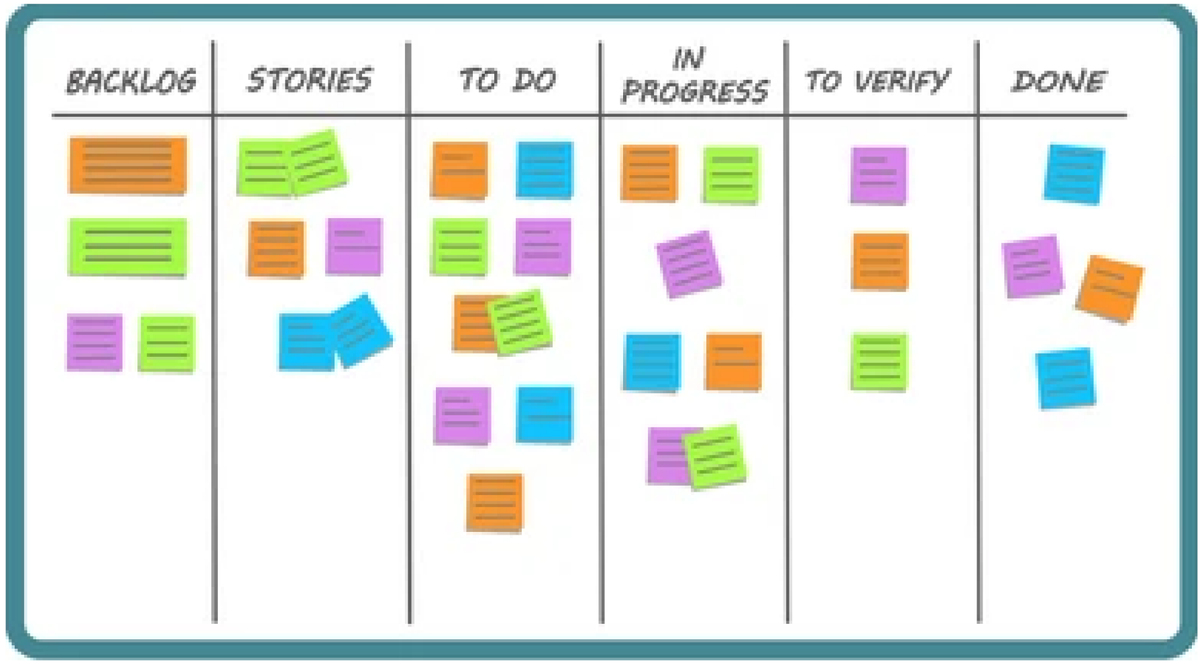


Scrum Process



Kanban

Workflow management simplified: Kanban is a popular framework used to implement agile and DevOps software development



- Developed in Japan by Toyota in the early 1940s
- Kanban is a visual system used to manage and keep track of work as it moves through a process.
- It aims to help you visualize your work, maximize efficiency, and improve continuously

01

Limiting Work-In-Progress

more than 60% of people suffer from work overload -new tasks are started simultaneously with the older pending tasks.
Work In Progress (WIP Limits) sets the count of items that are introduced in each workflow state or even in the whole process.

02

Visual metrics

- Scheduling as per WIP limits on a workflow state.
- Tracking status and progress continually.
- Assigning resources dynamically based on the role requirements.

03

Workflow Transparency

Achieving workflow transparency is one of the core Kanban characteristics.
This happens with the help of a Kanban board and the visualization of the various work stages from your workflow.

04

No particular roles assignment

A team with a shared leadership sense can be much more productive.
The board has a clear picture of the tasks that are assigned to respective team members.

Kanban tools and software

- Trello
- KanbanFlow
- GitScrum
- Workfront

