

# SCRUM

Framework for Developing Adaptive Solutions for Complex Problems

Turning Visions into Business.



www.wibas.com  
www.scrumbrowser.com

## Information on timing

- Sprint** is a timebox of one month or less, preferably all of the same length to create consistency. In general, the length of a Sprint depends on how long a change can be kept out of a Sprint.
- Sprint Planning** is a timebox of altogether eight hours at maximum for a one-month Sprint. For shorter Sprints, the event is usually shorter.
- Daily Scrum** is a short 15 minutes daily meeting. It is held at the same time and place to reduce complexity.
- Product Backlog is refined** as needed.
- Sprint Review** is timeboxed to a maximum of four hours for a one-month Sprint. For shorter Sprints, the event is usually shorter.
- Sprint Retrospective** is timeboxed to a maximum of three hours for a one-month Sprint. For shorter Sprints, the event is usually shorter.

## Information on useful techniques

- Colocation** is a technique where a team works together face-to-face in a common space. This space can be physical, but also virtual. The important aspect is that team members can see and speak to one another directly. Colocation increases team productivity since direct communication is the best way to share information. In addition, visibility increases awareness and attention for each other and for the team as a whole. The team should find a balance between communicative collaboration and quiet work.
- Five Phases of a Retrospective** is a technique to facilitate a team to inspect its way of work and to identify actions to make it better. First, set the stage. Create an atmosphere where people feel comfortable discussing issues based on the understanding that everyone did the best job he or she could do, regardless of what will be discovered. Second, gather data. This is often done by looking back and identifying what went well and what did not. Third, generate insights. In this phase, teams typically identify why things happened and what should be done more, less or given a try. Fourth, decide what to do. This includes deciding on specific, meaningful, agreed and realistic actions which will be done in the next Sprint. Fifth, close the retrospective. Decide how to document the results and plan for follow-up.
- Every now and then there are **Impediments** in the Sprint that block the progress of work. These impediments and the work needed to remove them can be made visible in the Sprint Backlog. To do this, a sign is used to mark blocked work (e.g. a stop sign marker). The work to remove the impediment is included and treated like any other work in the Sprint Backlog. If necessary, you can mark the affected work items in red to make the connection to the obstacle visible. This integration of impediments in the Sprint Backlog has the advantage that all work is in one place.
- Planning Poker** is a consensus based technique for estimating Product Backlog items or other things in Scrum. Usually teams estimate the relative size of items. Planning poker results in reliable and efficient estimations because the team gains a common understanding about the items. Planning Poker is a variation of the Wideband Delphi method.
- The **Release Burndown** is a technique to publicly display the progress of the current release. Typically a Release Burndown graph is used. The remaining work for a release is displayed on the vertical axis while the Sprints of a release are shown on the horizontal axis. Every Sprint the Product Owner updates the Release Burndown based on the velocity and the estimations of the team. Often the Release Burndown is used for the complete product showing the Burndown for all releases.
- Release Planning** is a technique to order the realization of the product into releases and to forecast delivery dates. It establishes the goals of the release and the highest priority Product Backlog items describing the overall features and functionality which the release will contain. A release is an increment that is transitioned into routine use by customers. Releases typically happen when one or more sprints resulted in the product having enough value to outweigh the cost to deploy it. The release plan establishes the goals of the release. The forecast is based on the team's velocity and estimations of the items in the release.
- Sprint Burndown** is a technique to publicly display the progress of the current Sprint. Typically a Sprint Burndown graph is used. The remaining work in a Sprint is displayed on the vertical axis while the work days of a Sprint are shown on the horizontal axis. In the Daily Scrum the Developers update the Sprint and plot the remaining work of the day. While Sprint Burndowns are useful, these do not replace the importance of empiricism.
- User Stories** are a technique to describe requirements from the perspective of a user utilizing everyday language. A User Story captures what the user wants to achieve, and why he or she wants it. User Stories generally follow this template: "As a USER I WANT GOALS/DESIRE so that BENEFIT". The three elements are important, the sentence structure may vary. A User Story should be short and precise and fit on a small note card. User Stories provide a simple and easy way of handling customer requirements which can be product or service requirements. The intention of User Stories is to quickly capture the requirements and to iteratively refine and break them down. In Scrum the User Stories technique is often used to write Product Backlog items.

