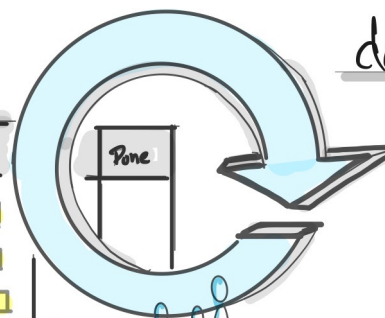


Product Goal

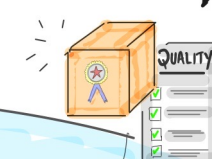
Sprint Backlog

PBI	Todo
█	█ █
█	█ █
█	█ █

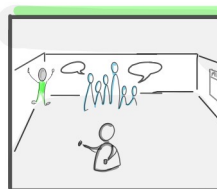
daily scrum



Definition of Done



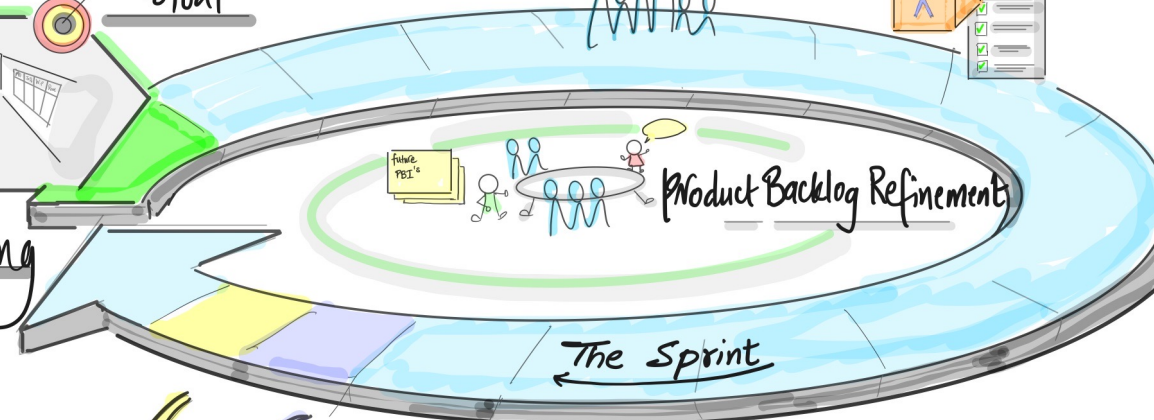
Sprint Goal



Sprint Planning

- PBI 1
- PBI 2
- PBI 3
- PBI 4

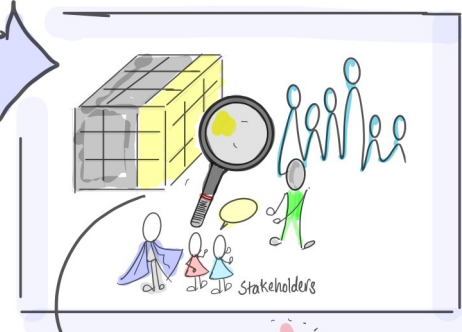
Product Backlog



The Sprint

Product Backlog Refinement

Sprint Review



Increment

Sprint Retrospective



Scrum (n): a lightweight framework that helps people, teams and organizations generate value through adaptive solutions for complex problems.

Scrum employs **iterative, incremental** approach to optimize predictability and to control risk.

Empirical Scrum pillars
Transparency, Inspection, Adaptation

Scrum is founded on **empiricism and lean thinking**

Scrum Values
Courage, Focus, Openness, Respect, Commitment

Scrum is simple. The Scrum Framework is purposefully incomplete.

Artifact transparency is crucial in Scrum. Each artifact contains a **commitment** to ensure it provides information that enhances transparency and focus to measure progress.

Artifact: **The Product Backlog**

- * Emergent, ordered list of **what** is needed to improve the product.
- * **The single source** of work undertaken by the Scrum Team

Commitment: **The Product Goal**

- * Describes a **future state** of the product that serves as a target for the Scrum team to plan against.
- * **Long-term objective** that they must fulfill (or abandon) before taking on the next.

Artifact: **The Sprint Backlog**

- * Composed of the Sprint Goal (why), the set of Product Backlog Items selected for the Sprint (what), as well as actionable plan for delivering the Increment (How)
- * Planned by and for the Developers. Is **highly visible, real-time picture of the work during the sprint.**

Commitment: **The Sprint Goal**

- * **Single objective** for the Sprint that creates coherence and focus, encourages the Scrum Team to work together.
- * Provides flexibility in terms of exact work needed to achieve it.

Artifact: **Increment**

- * A concrete stepping stone towards the Product Goal.
- * Increment must be useable.
- * Each increment is additive to prior increments and meets the Definition of Done.

Commitment: **Definition of Done**

- * **Formal description of the state of the Increment** when it meets quality measures required for the product.
- * Can be part of the standards of the organization, or the Scrum Team must create for the Product.

The Scrum team consists of one **Product Owner**, one **Scrum Master**, and **Developers**. Typically 10 or fewer people.

- * The **Product Owner** is accountable for maximizing value of the product resulting from the work of the scrum team.
- * Also accountable for effective product backlog management.
- * Product Owner is one person not a committee.
- * Develops and explicitly communicates the Product Goal

- * The **Developers** are committed to creating any aspect of a useable increment each sprint.
- * Create a plan for the Sprint, the Sprint Backlog
- * Instill quality by adhering to a Definition of Done
- * Adapt their plan each day toward the sprint goal
- * Hold each other accountable as professionals

- * The **Scrum Master** is true leader who serves the Scrum team and the larger organization.
- * Causes removal of impediments to the Scrum team's progress
- * Coaches the Development in self-organization, and cross-functionality.
- * Helps establish empirical product planning for a complex environment.
- * Leads and coaches the organization in its adoption of Scrum.

Scaling Recommendations

- * If Scrum teams become too large, consider reorganizing into multiple cohesive Scrum Teams, each focused on the same product. They share same Product Goal, Product Backlog, and Product Owner.
- * Multiple Scrum Teams working together on a product must mutually define and comply with the same Definition of Done.

Ref: The Scrum Guide 2020

The **Sprint** is a container for all other events where ideas are turned into value. Sprints are fixed length of **one month or less** to create consistency. A new sprint starts after conclusion of the previous sprint.

Work to be performed during the sprint is planned in **Sprint planning**.

- * Topic 1: **Why** is this Sprint valuable? – Define Sprint Goal
- * Topic 2: **What** can be done this sprint? : Select Product Backlog Items
- * Topic 3: **How** will chosen work get done? : The Developers decompose into smaller work items of one day or less. No one tells them how to decompose.
- * **Time-boxed** to max of 8 hours for a one month Sprint. Scaled down proportionately for shorter sprint lengths.

The **Daily Scrum** is 15 m event each working day for the Developers to focus on progress toward the Sprint Goal and produce actionable plan.

- * The purpose of the **Sprint review** is to inspect the outcome of the Sprint and determine future adaptations.
- * This is a **working session** where the Scrum team and stakeholders collaborate, not a presentation.
- * **Time-boxed** to max of 4 hours for a one month Sprint.

- * The purpose of the **Sprint Retrospective** is to plan ways to increase quality and effectiveness.
- * The Scrum team discusses what went well during the Sprint, what problems it encountered, and how those problems were (or were not) solved.
- * Occurs after the Sprint Review and prior to next Sprint Planning.
- * **Time-boxed** to max of 3 hours for a one month Sprint.

Product Backlog Refinement is the act of breaking down and further defining Product Backlog Items into smaller more precise items.