**Scrum**

1. **Scrum là gì?**

**- In a nutshell, Scrum requires a Scrum Master to foster an environment where:**

* +A Product Owner orders the work for a complex problem into a Product Backlog.
* +The Scrum Team turns a selection of the work into an Increment of value during a Sprint.
* +The Scrum Team and its stakeholders inspect the results and adjust for the next Sprint.
* +Repeat

1. **The Scrum Team consists**

The Scrum Team consists of one Scrum Master, one Product Owner, and Developers. Within a Scrum Team, there are no sub-teams or hierarchies.

1. Developers

*Developers are the people in the Scrum Team that are committed to creating any aspect of a usable Increment each Sprint.*

The specific skills needed by the Developers are often broad and will vary with the domain of work. However, the Developers are always accountable for:

* Creating a plan for the Sprint, the Sprint Backlog;
* Instilling quality by adhering to a Definition of Done;
* Adapting their plan each day toward the Sprint Goal; and,
* Holding each other accountable as professionals.

### Product Owner

*The Product Owner is accountable for maximizing the value of the product resulting from the work of the Scrum Team. How this is done may vary widely across organizations, Scrum Teams, and individuals.*

The Product Owner is also accountable for effective Product Backlog management, which includes:

* Developing and explicitly communicating the Product Goal;
* Creating and clearly communicating Product Backlog items;
* Ordering Product Backlog items; and,
* Ensuring that the Product Backlog is transparent, visible and understood.

### Scrum Master

*The Scrum Master is accountable for establishing Scrum as defined in the Scrum Guide. They do this by helping everyone understand Scrum theory and practice, both within the Scrum Team and the organization.*

The Scrum Master serves the Scrum Team in several ways, including:

* Coaching the team members in self-management and 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; and,
* Ensuring that all Scrum events take place and are positive, productive, and kept within the timebox.

The Scrum Master serves the Product Owner in several ways, including:

* Helping find techniques for effective Product Goal definition and Product Backlog management;
* Helping the Scrum Team understand the need for clear and concise Product Backlog items;
* Helping establish empirical product planning for a complex environment; and,
* Facilitating stakeholder collaboration as requested or needed.

The Scrum Master serves the organization in several ways, including:

* Leading, training, and coaching the organization in its Scrum adoption;
* Planning and advising Scrum implementations within the organization;
* Helping employees and stakeholders understand and enact an empirical approach for complex work; and,
* Removing barriers between stakeholders and Scrum Teams.

1. **What are sprints?**

* *A sprint is a short, time-boxed period* when a scrum team works to complete a set amount of work. Sprints are at the very heart of scrum and agile methodologies, and getting sprints right will help your agile team ship better software with fewer headaches.
* Sprints are the heartbeat of Scrum, where ideas are turned into value.
* All the work necessary to achieve the Product Goal, including Sprint Planning, Daily Scrums, Sprint Review, and Sprint Retrospective, happen within Sprints.

During the Sprint:

* No changes are made that would endanger the Sprint Goal;
* Quality does not decrease;
* The Product Backlog is refined as needed; and,
* Scope may be clarified and renegotiated with the Product Owner as more is learned.