**Scrum: Principles & Sprint Planning |5 Implementation Steps**

*Posted On May 19, 2019*

Main Principle of Scrum: - Small Shippable increments of development

The Steps involved around planning and scrum implementation are as follows: –

**Step 1: Product Backlog Creation.**

* The features are pushed in list that should be implemented during the development process
* Each item is called ‘User Story’ and priority is set for each
* Backlog consists of: – Tracker ID, Description, Requestor, Assignee, Story Point, Priority, Epic, Wireframes

**Step 2: Sprint Planning**

The factors of planning sprint length are: –

* Length of the release
* Amount of uncertainty
* How long priorities can stay unaltered
* Overhead of Sprint Planning and Review

Generally, sprints are 1-4 weeks with minimum of 6-member team

**Step 3: Sprint Implementation and Meeting**

After task identification or user stories are identified for current sprint, the work begins. Atlassian Jira is popular tool to implement sprints. There are user stories cards with a format: As a \_(who)\_ I want \_(what)\_ so that\_(why)\_.

The cards are arranged and pushed to phases.

**Steps 4: Scrum Ceremonies and Product Demonstration**

There are various kind of meetings that supports implementation process which are called as ceremonies. The various meetings are: –

1. Sprint Planning
2. Daily Stand-up
3. Sprint Review
4. Sprint Retrospective

A burn down chart helps the scrum team get result of uncompleted tasks.  
The result of each sprint is product demonstration. The scrum team creates a prototype for stakeholder or product owner to review before demonstration or incrementing their final work in final review meeting. This forms basis of product owner and end user to decide on future project changes.

**Steps 5: Retrospection**

It includes following steps: –

* Identify the improvement items
* Prioritize
* Identify action items
* Assign owners and dates for each item

Sprint Retrospection is based on questions like,

1. What is new we can try?
2. What went well?
3. What do we need to escalate?
4. What could have been better?

**Conclusion**: Scrum follow agile process development in an iterative manner. After receiving feedback from customer, the improvement to next sprint are finalized which helps optimize the development process.