Agile Methodology:

Scrum is an Agile methodology

Scrum Agile Methodology:

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\*\* Sprint:

Sprint or Iteration both are same.

Suggested time for sprint is 1 week to 4 weeks.

Sprint - The team decides the amount of work they are going to finish and the end of the sprint they produce finished work.

here finished work means not the completion of qa work or development task. The finished work should be ship-able that means it can add value to the customer which means it can be deliverable.

\*\* Product Owner:

Here Product owner will be analyst i.e., business analyst he communicates and take inputs form executives,users, clients and stake holders.

Product owner is subject matter expert in the functional domain of product. It is also possible that one more product owner may exists.

\*\* Scrum Master:(Agile Pm or Agile coach)

Here scrum master will be project Mangers or programmer managers. Scrum master is a facilitator is not the owner of product.

scrum master has a lot of power and he has to be more of facilitator like servant leadership mantra.

scrum master has to be expert in agile principle.

\*\* The team:(Team Member)

the team contains cross functional skill members like Qa, automation qa, architect, Designer, developer, uiexpert.

As per the scrum the team size should be 5 to 9 members.

\*\* Product Backlog:

It is the collection of all requirements and features that are required in the product that are not there (unfinished work).

In agile we call requirements and features as stories.Product backlog is union of all unfinished stories. It is a complex artifact.

In Product backlog the list is prioritized which needs to be finished first.

\*\* Sprint Planning Meeting

Sprint Planning Meeting is where teams met together product owner, Scrum Master and team members and they try to pop things out in to sprint backlog. They decides how many stories they can complete in that sprint period.

inputs:

Product Backlog

Tools and Techniques:

Estimation techniques

Prioritization techniques

velocity

team calender

Outputs:

Sprint Backlog

Adjusted Product backlog.

\*\*Sprint Back log

It contains the things which has to be finished in that sprint

\*\* Daily stand up or Daily scrum Meeting:

The goal of scrum meeting is not status reporting.Every member in the team comes to the meeting they try to answer 3 questions.

1. What is it that I did today?

2. What do I plan to do in tomorrow?

3. Any blocking s?

Scrum Master is mediate and he holds the meeting even he is not available the meeting will held.

The duration has to be not more than 15 minutes.

Suppose if there is any blocker the scrum master has to gather the right people who can resolve the issue.

\*\* Sprint Review

It happens at the end of the sprint.The team comes to gather with Product owner and scrum master.

They try to demo. Showcasing what we achieved in the sprint. This is what we committed and this is what we finished.

It will gives a lot of confidence in the team.

\*\* Sprint Retrospective

Lessons learned in that sprint duration.

All the team members come together and they try to 3 answer questions.

1. what are we doing the right and good stuff we should continue that?

2. What are we doing wrong and we stop that?

3. what is that we are not doing at all and we should start?

Time duration is 1 and half hour