Agile explanation:

It is one of the Software Development methodology.

Agile has lot of activities like scrum, iteration, stand up calls, retrospective, back log, sprint planning

Sprint – In a particular duration we have to complete set of requirements – coding, testing and deploying.

Rule of Agile:

Agile testing is a practice that QA follows in a dynamic environment (daily basis we are getting new requirements, i.e new acceptance criteria.

While developers developing application, we will prepare test cases and data. So we follow “test driven development” approach in Agile.

Burn up and Burn down:

To track the process, product owner and scrum master will maintain this. There is a tool, it automatically generates this reports.

Backlogs – requirments

If requirements are changing frequently – then don’t go for automation until requirements are finalized of signed off. Everybody is signed off and agreed then start automation.

Stub – another name “mock”

TDD – Test Driven Development

Eg: While developers developing code, we prepare test cases

Spike – If we want to create a ‘Add to Cart’ feature in flipkart. First we will create a ‘Spike’ in that we will disucss what are the technical issues , design problems we are going to face and discuss with designer or architect and we will resolve first, then only we go for working on it.

Bugbash – all dev, QA , Scrum master , all 20 members will sit in a room, and they will hit the application at a time. The person who find the maximum number of issues that particular boy will be rewarded.

Daily stand up meeting : only 2 minutes to discuss about their status

Telling about what you have done for these 24 hrs and what you are going to do next 24 hrs

Velocity: for a week 5 days (mon – fri) daily – 8 hrs = 5\*8 = 40 hrs

Story points \* team size = In story points total 50, we covered 30 points and team capacity is 15 members

30 \* 15 = 450

Completed story points / team capacity 🡺 30 / 15 = 2

Generally, in man hours we calculate like

15 team capacity \* 40 hrs = 600 🡺600/30 story points 🡺20 velocity

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AGILE & SCRUM

What is Scrum?

Scrum is a Agile framework (i.e set of rules), in this different people they work together and solve some complex problems, design some features, deliver the product in a best possible way within the time frame and in a creative way.

Characteristics of Agile:

Light weight

Simple to understand

Difficult to master

Different activities in Scrum:

1. Scrum Team:

Scrum Team consists of Scrum Master (responsible to provide All user stories), Product Owner, Developer, QA Team,