

Online DevOps

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Team DevOps

Project Manager & Scrum Master: Akshay Tambe

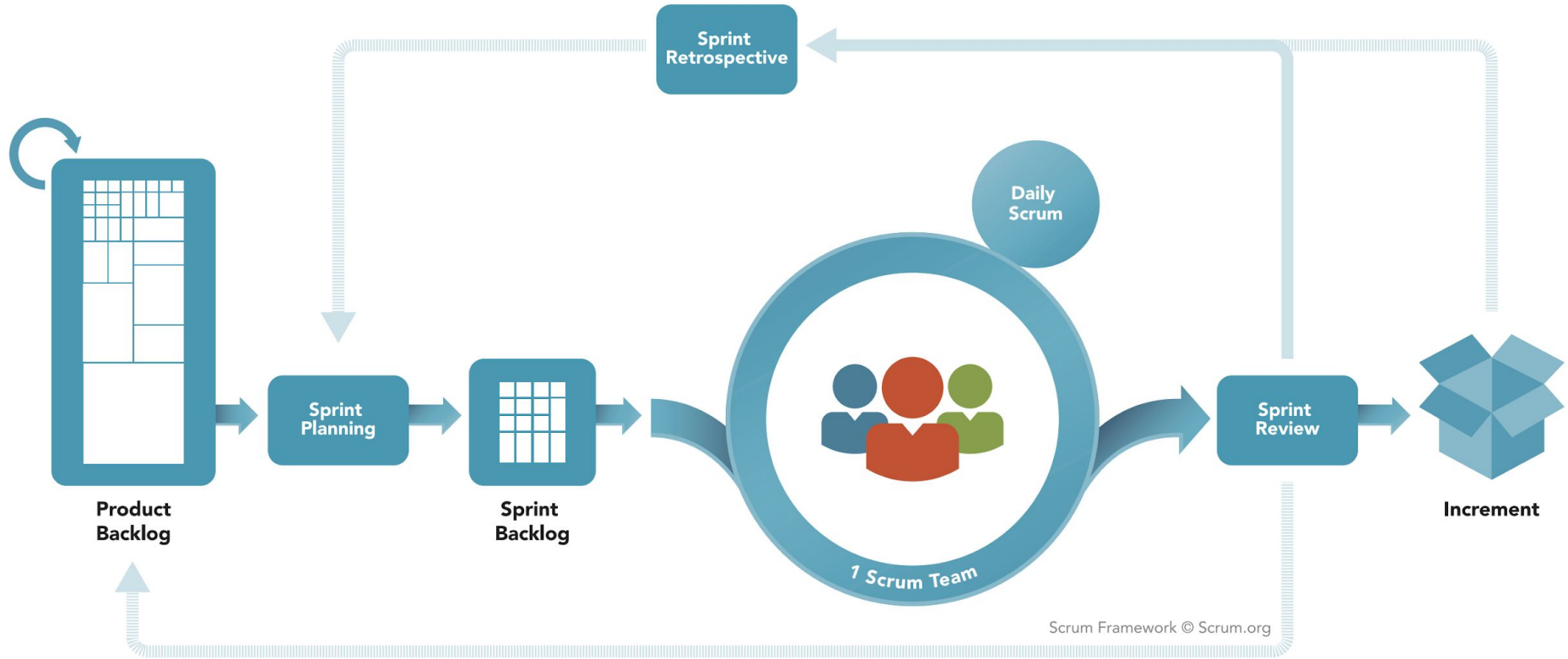


NYU

Today's Agenda

- Understanding Scrum
- Understanding our Sprint Process
- Sprint 1 Kickoff
- Understand Team Capacity

SCRUM FRAMEWORK



SCRUM ROLES

Product Owner

(Prof. Eugene Callahan / Akshay Tambe)

- Build and manage the product backlog
- Ensure the team to everyone understands the work items in the product backlog
- Give the team clear guidance on which features to deliver next
- Decide when to deliver the product

Scrum Master

(Akshay Tambe)

- Works as a facilitator-in-chief
- Schedule the needed resources (both human and logistical) for sprint planning, stand-up, sprint review, and the sprint retrospective.

SCRUM ROLES

The Scrum Team

(Denis Petelin / Shawn Widjaja / Jeff Cui / Mandy Kong / Felix Angel Baez)

- Drives the plan for each sprint (Implementation)
- Forecast how much work they believe they can complete over the iteration using their historical velocity as a guide
- Updates and shows concerns to the Scrum-master frequently about the work progress

***Keeping the iteration length fixed gives the development team important feedback on their estimation and delivery process, which in turn makes their forecasts increasingly accurate over time.

Components of SCRUM

Sprint planning

- A team planning meeting that determines what to complete in the coming sprint.
- In our process, the normal Sprint will run for **2 weeks**.
- An estimated 5-6 Sprint Iterations to follow after our 1st Sprint
- The Scrum Team estimate Stories to commit in an EPIC
- The Scrum Team also calculates Story points for each story

EPIC: Large body of work that can be broken down into a number of smaller stories

STORY: Small body of work (modules)/ Actionable item which is a part of EPIC

TASK: Decomposed parts of a story that get into the HOW the story will be completed

Ref: <https://community.atlassian.com/t5/Jira-Core-questions/epic-vs-story-vs-task/qaq-p/204224>

***We are doing this now!

Sprint Iterations in DevOps Coursework

*** Estimated Cycles, may vary over the coursework

Sprint Cycle: **2 Weeks**

*** Exception: Sprint 1

*** Might Cut-off 1 Sprint due to Mid-Season Holidays

Sprint #1 (Short)	10th September - 18th September (1 day extension)
Sprint #2	19th September - 2nd October
Sprint #3	3rd October - 16th October
Sprint #4	17th October - 30th October
Sprint #5	31st October - 13th November
Sprint #6	14th November - 27th November
Sprint #7	28th November - 11th December
Sprint #8	12th November - 25th December

Estimation of LOE in JIRA Tickets

Story Point Estimation

- Story points are a unit of measure for expressing an estimate of the overall effort that will be required to fully implement a product backlog item or any other piece of work.

Fibonacci Series Format to estimate LOE:

1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144...

Mostly used Story Points:

0 → Story is not counted in Velocity/Capacity

1 → Can be done within a day

2 → Can be done within 2 days

3 → Can be done within 3 days

5 → Can be done within a week

8 → Requires more than a week

13 → Requires complete iteration

Components of SCRUM

Daily Stand-up

- Also known as a daily scrum, a 15-minute mini-meeting for the software team to sync.
- As this is an Online Course, students are required to give updates everyday on **Slack**.

Sample Format:

What you worked on yesterday?

What are you planning to work on today?

Any Blockers/Concerns?

Weekly Stand-up

- A 20-minute Zoom Conference every week by Scrum-master to discuss about project.

Components of SCRUM

Sprint Demo

- A sharing meeting where the team shows what they've shipped in that sprint.
- This meeting will occur mostly on before Sprint Ends. (10-minute working demo by Scrum Team)

Sprint Retrospective

- A review of what did and didn't go well with actions to make the next sprint better.
- Happens on last day of Sprint or during the planning of next Sprint.

Sample Format:

What went well?

What went wrong?

How can we do better in next Sprint?

Sprint 1 - Planning & Kickoff

(10th September - 18th September)

EPIC

- **DC-1:** Implement Quiz Framework in DevOps Website

Team Cap: 5

STORIES:

- **DC-4:** Implement Grading for Quizzes (High Priority)

Team Cap: 3

Build MVP as we are in middle of a course.

Task to focus on - DC-5: Display Correct Answers after User Completes a Quiz (Highest Priority)

- **DC-3:** User Authentication (Low Priority)

Team Cap: 2