

# Sprint 3 Plan

Decentralized Application Framework (DAPPF)

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## Goal:

The goal of this sprint is to add efficiency, speed, and consistency to our framework. We also will be adding event listeners to the framework, for our MVP.

## User Stories:

User story 1 ("As a developer, I would like to bind event listeners")

- Task 1: Make the developer able to add an event listener on incoming data (2 hours)
- Task 2: Make the developer able to add an event listener on new neighbor (1 hour)
- Task 3: Make the developer able to add an event listener on disconnected neighbor (3 hours)

Total for user story 1: 6 hours

User story 2 ("As a developer, I would like to cache my user's data")

- Task 1: Create a cache which keeps requests in memory in the event it can be used again so we don't have to repeatedly calculate the same data (4 hours)
- Task 2: Allow for an arbitrary user-specified caching schema (4 hours)

Total for user story 2: 8 hours

User story 3 ("As a developer, I would like to implement runnables")

- Task 1: Create a task pool with a set of tasks which are executed after a delay (6 hours)

Total for user story 3: 6 hours

User story 4 ("As a developer, I would like to check the communication packet validity")

- Task 1: Create packet validation which ensures the packet structure is correct (2 hours)

- Task 2: Create data validation which checks if the number of bytes needed for a request is present (3 hours)

Total for user story 4: 5 hours

## **Team Roles:**

Vincent: Team lead, Developer

Kirill: Developer

Anthony: Developer

Garrett: Scrum Master, Developer

Shishir: Developer

## **Initial Task Assignment:**

Vincent:

- User Story: "As a developer, I would like to cache my user's data"
- Task 1

Kirill:

- User Story: "As a developer, I would like event listeners"
- Task 1

Anthony:

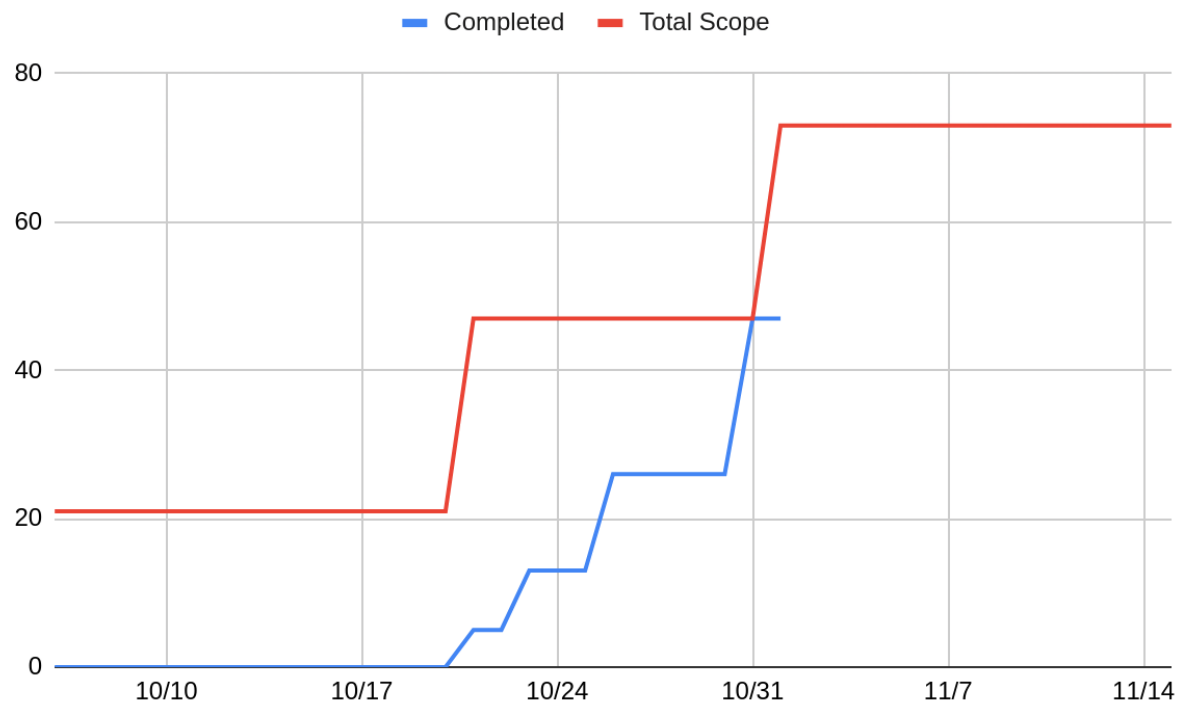
- User Story: "As a developer, I would like to implement runnables"
- Task 1

Garrett:

- User Story: "As a developer, I would like to validate my user's data"
- Task 1

Shishir:

## **Initial Burnup Chart:**



### Initial Scrum Board:

User Stories	Tasks Not Started	Tasks In Progress	Tasks Completed
“As a developer, I would like event listeners”	Task 2, Task 3	Task 1	
“As a developer, I would like to cache my user’s data”	Task 2	Task 1	
“As a developer, I would like to implement runnables”		Task 1	
“As a developer, I would like to validate my user’s data”	Task 2	Task 1	

## **Scrum Times:**

### Meetings:

- Tuesday at 5pm
- Wednesday at 5pm
- Saturday at 12pm

### Scrum meeting:

- Tuesday at 1 pm