UFCFTR-30-3
Distribute & Enterprise Software Development

Sprint Review Form

Group:	Group 21
Sprint:	2
Members:	Sophie Fidan, James Lymbery, John Higgins, Toby Meredith, James Smith

Burn-down Chart
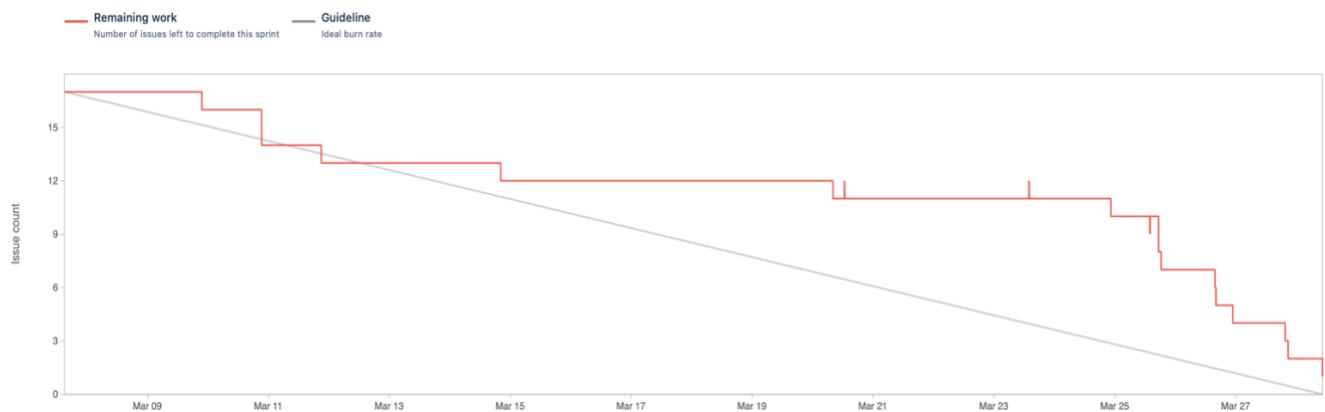
Figure 1: Burn-down chart in Jira

Backlog list – Kanban Board:

Note: Some tasks have sub-tasks that were distributed among different group members. The 'Everything Else' section on the board reflects the tasks with no sub-tasks.

Name

- James Smith
- John Higgins
- Sophie Fidan
- Toby Meredith
- James Lymbery

Figure 2: Kanban Board in Jira

Access can be given to the Jira board with a request. The link:
https://sudeff382.atlassian.net/jira/software/projects/UNIHUB/boards/5/timeline

Communication Issues

N/A

Reflections

Group Dynamics: The team worked effectively together throughout the sprint, using the Discord group chat to communicate 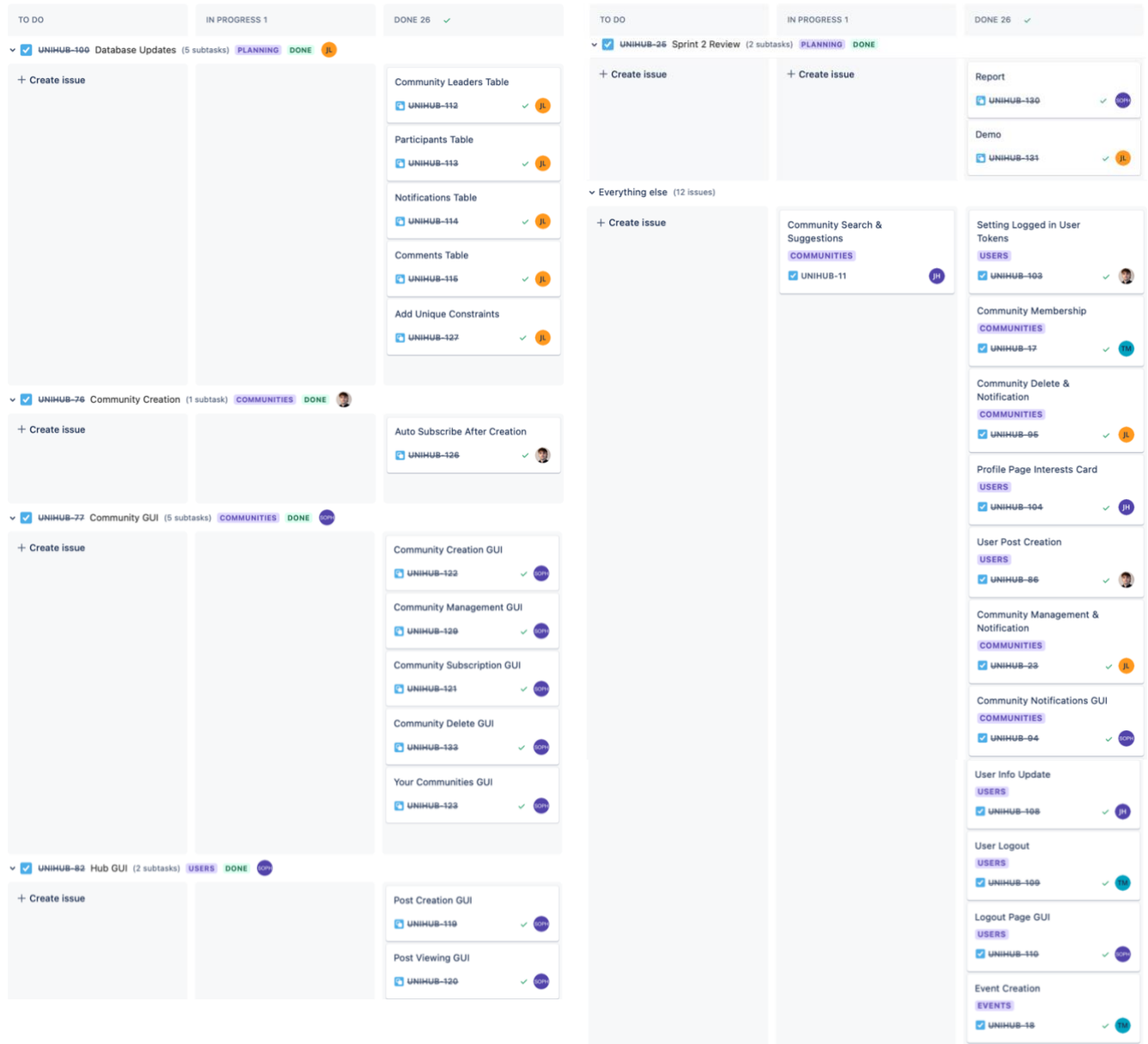regularly. All decisions were made collaboratively, with everyone agreeing on the approach before moving forward. This ensured quick problem resolution and kept the project on track, maintaining a smooth and efficient workflow.

Issues:

- The long plateau in the burndown chart between March 14–20 and March 20–24 is due to the size of the tasks. Since Jira only updates the chart when all subtasks within a task are completed, progress was made during these periods, but the chart remained unchanged until the entire task was completed.

- The burnup on March 20th occurred because the DATABASE UPDATES task was completed before this date. However, a new subtask was added to update the community's name in the database table, enforcing a unique constraint to prevent duplicate community names. Jira automation detected commits related to this subtask and moved the parent issue from 'Done' back to 'In Progress.'. This subtask was completed on the same day, and then Jira automation marked the parent issue as 'Done' again, as reflected in the chart.

- The burnup on March 23rd occurred due to a change in the COMMUNITY CREATION task, which had been marked as complete before this date. A new subtask under the task was introduced to automatically subscribe community leaders and owners for additional community functionalities. Upon detecting commits for this subtask, Jira automation transitioned the parent issue from 'Done' back to 'In Progress.' Since the subtask was completed the same day, the parent issue was promptly marked as 'Done' again, as reflected in the chart.

- The search bar was initially created in the layout.svelte page to be shown in every page, while the community search functionality is only available in community.svelte. To address this, a new task was added to Sprint 3 to pass search inputs to the corresponding pages. This applies to all other search and suggestion features, such as event search. As a result, the COMMUNITY SEARCH AND SUGGESTION task was moved to Sprint 3 after recognising this common requirement.

- The burnup on March 25th was also related to the issue mentioned in the previous item, as the POST-CREATION task required post-filtering through the search bar. This led to re-opening the POST-CREATION ticket for implementation, causing it to shift from 'Done' back to 'In Progress.' However, once the decision was made to handle search bar functionality in Sprint 3, the task was marked as completed again, leaving the filtering future for Sprint 3.

Good Practices:
- The task-branch workflow is used to allow parallel development.
- Only one team member reviewed and merged the branch into a main branch upon completion to improve code quality and avoid integration problems.
- Task automation in Jira is used to track the progress for each task/subtask accurately, helping the team maintain visibility over workflow efficiency. This also contributed to real-time updates in agile tracking tools, such as the burndown chart above, by reflecting the completed work and remaining work dynamically.

When a branch is created → then move issue to in progress

When a commit is made → then move issue to in progress

When all child issues are completed → then close parent

When an issue is transitioned to In progress → set Start Date field to current date. ⓘ

When a pull request is merged → then move issue to done

When parent is completed → then close all the child issues present

Figure 3: Task Automation Rules in Jira

Overall, the team worked cohesively throughout the sprint. The decision made in the previous sprint to add more detailed descriptions for tasks proved to be effective, providing greater clarity and helping to streamline the workflow. As a result, the tasks in this sprint were completed with more precision.

Relevant Links

https://github.com/sudefidan/Docker_Thingy.git