

Sprint Burndown Report

Project Name: Syllabally

Sprint Number: Sprint 3

Date: 01/12/2024 (**DD/MM/YYYY**)

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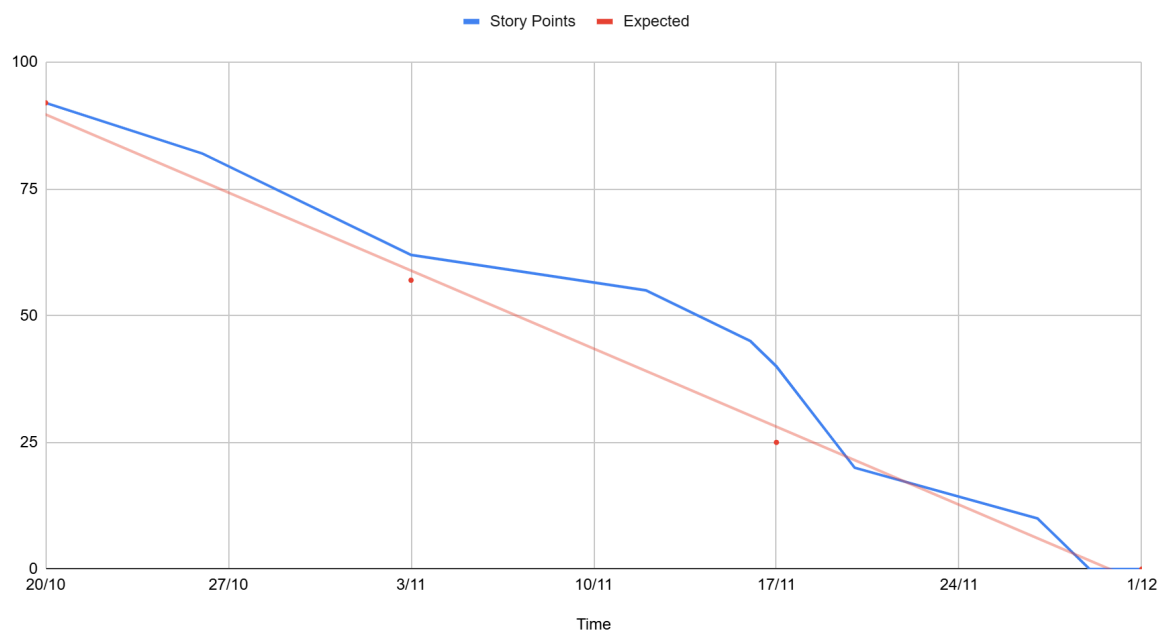
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1. Overview

- **Sprint Number:** Sprint 3
- **Sprint Duration:** 14 days
- **Planned Story Point:** 25 points
- **NOTE: DATE FORMAT (DD/MM/YYYY)**
- **Start Date:** 17/11/2024
- **End Date:** 01/12/2024
- **Goal:** The objective of this sprint was to implement the key features of the platform such as the credit system for users and a new visual for the coursepage..

2. Burndown Chart

Burndown Chart



Description: This burndown chart is composed of 3 sprints, Sprint 1 (20/10-03/11), Sprint 2 (03/11-17/11), and Sprint 3 (17/11-01/12). The vertical axis represents the sprint points for all the tasks that our group needs to complete. The horizontal axis represents the timeline of each sprint. The expected line (red line) represents the expected schedule that our group should follow and the blue line represents the actual point our groups earned.

3. Analysis & Comments

Planned & Actual Progress:

- Overall, our actual performance does not match the expected plan. This is due to our group facing different challenges throughout each sprint.
- **Sprint 1:** Slower than the plan by 5 points. This is because of the loss of a group member due to personal issues, the limited time to work within, and the need to learn certain skills to implement the features. The workload had to be spread out across the remaining members of the group, resulting in the team not finishing the final features of Sprint 1.

- **Sprint 2:** Slower than expected by 15 points. Our plan for this sprint was to build the credit and syllabus database system for the platform. The group managed to complete the credit system and start initializing the database for uploading the Syllabuses. However, we had difficulty in establishing the new infrastructure, Google Cloud storage, as a database to store uploaded Syllabuses. Since this feature could not be established, its dependency (the credit calculation feature) could not be implemented yet either.
- **Sprint 3:** Completed all the planned stories by the last day of the project. Our plan for this sprint was to continue building the credit system with updating the visual for the upload and the forum boxes in the course page UI.

Sprint Outcome

- Our group managed to complete all of the story points for this sprint. However, there are some difficulties that resulted in our inability to implement the back-end that we planned to continue from last sprint.
- The blocker that our group faced when planning the sprint was struggling to set up and configure the database system for uploading syllabuses. Our back-end developer kept having build errors. This challenge meant that we could not implement the uploading feature, resulting in the back-end developer having to focus on the credit system and the designer having to provide a new visual in the course page UI.

Lesson Learned

- There are parts of this sprint that we are satisfied with such as constructing the credits system for the platform.
- Furthermore, our group also redesigned the visuals for the upload and forum box in the course page UI
- Besides the positives, our group also learned from our blockers in order to make improvements for future projects/sprints. We need to manage our time for the sprint better so that we are able to complete our plan. In addition, reconsidering putting stories on the active sprint board so that we can avoid dependencies that cost great points and the unexpected difficulties during the sprint will greatly benefit us.

4. Velocity Comparison

Previous Sprint Velocity: 17 Points

Current Sprint Velocity: 25 Points

Comparison:

- We observed an increase in sprint velocity since we manage to plan the story correctly with minimal dependency.

Reasoning:

- As we processed the stories in the active sprint board, we divided the tasks more evenly for both back-end and front-end. This provided a more comfortable time frame for everyone to work on the project and ensure story points are completed before the end of the sprint.

Conclusion

Our group has made an improvement since last sprint 2 and managed to finish all the tasks from the planned schedule. Furthermore, our group learned a lot from these sprints, and is planning to make some key improvements to be more efficient for future projects/further working on Syllabally outside of these 3 sprints.