

Sprint Burndown Report

Sprint Details

- **Sprint:** SCRUM Sprint2
- **Date:** June 24th, 2024 - July 5th, 2024
- **Sprint Goal:** Improve the user experience on the Markdown editor and file management, hash users' passwords, implement a light/dark mode on the front end, start working on the flashcard feature, and integrate the ChatGPT API to generate summaries of notes.

Burndown Chart



Figure 1: Burndown Chart

Comments on the Burndown Chart

The burndown chart indicates the progress of the sprint in terms of story points completed over time. Here are some observations:

1. **Initial Work Scope:** The red line represents the initial work scope, which remained constant until July 1st.
2. **Completed Work:** The green line shows the number of story points completed. There was a significant increase in completed work towards the end of the sprint, indicating a late push to finish tasks.
3. **Guideline:** The blue line represents the ideal burn rate. The actual completion rate lagged behind the guideline initially but caught up towards the end.

Velocity Comparison

- **Planned Velocity for this Sprint:** 130 story points
- **Previous Sprint Velocity:** 110 story points

Velocity Analysis

The velocity increased from 110 story points in the previous sprint to 130 story points in the current sprint. This change can be attributed to several factors:

- **Improved Team Efficiency:** The team might have become more familiar with the project and improved their efficiency.
- **Better Task Estimation:** More accurate estimation of story points could have led to better planning and execution.
- **Increased Effort:** The team might have put in extra effort towards the end of the sprint to meet the sprint goal.

Conclusion

The burndown chart reflects a successful sprint where the team managed to complete the planned work despite a slow start. The increase in velocity indicates a positive trend in team performance, which can be attributed to improved efficiency, better estimation, and increased effort.