

Sprint burndown chart[> How to read this report](#)

Sprint

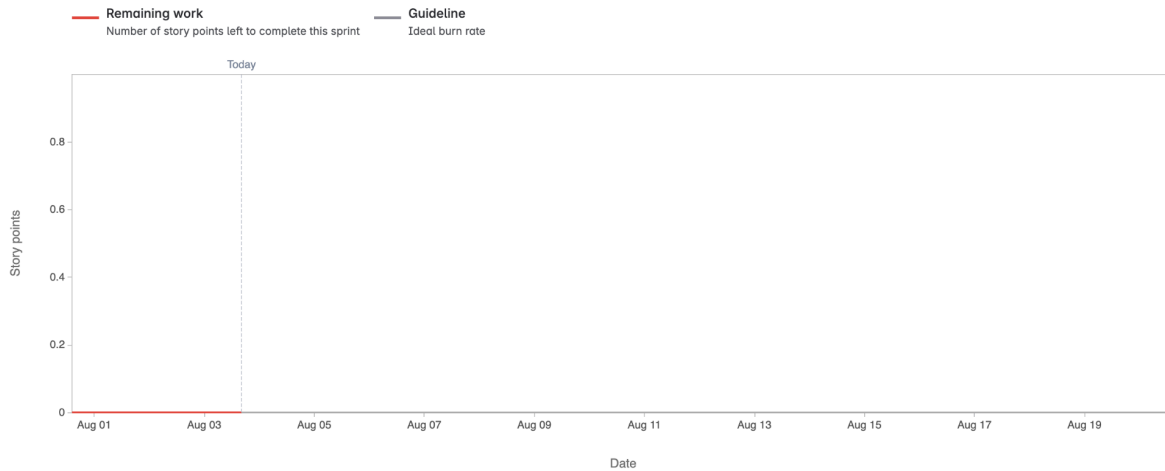
SCRUM Sprint 4

Estimation field

Story points



Date - 31 July 2025 - 20 August 2025



Sprint Velocity vs. Previous Sprint

In Sprint 4, our team completed 11 work items totaling 20 story points, a significant increase from Sprint 3's 14 work items totaling 13 story points. This increase in velocity demonstrates our improved capacity planning, deeper familiarity with the codebase, and better sprint execution.

Unlike Sprint 3, where multiple tasks were deferred toward the end of the sprint, Sprint 4 showed more sustained progress throughout, thanks to clearer task prioritization and CI/CD integration. This indicates a more disciplined and realistic sprint planning process, along with increased technical confidence across the team.

Changes and Reasons Why

Several factors contributed to the increased sprint velocity and more stable delivery timeline:

- **More Precise Story Point Estimation:** Our team refined the story point estimation process, resulting in more accurate reflections of task complexity and effort.
- **Improved Codebase Familiarity:** As this is the fourth sprint, team members are now more familiar with the project structure and have better context when debugging or building features, reducing ramp-up time.
- **Automated Workflows:** The GitHub Actions pipeline introduced this sprint caught regressions and linting issues earlier, saving manual testing time and improving merge confidence.

- Focused Sprint Goal: This sprint heavily emphasized fixing inventory-related issues and admin management, reducing context-switching and allowing deep work on core functionalities.

Despite the improved outcome, the burndown chart still shows a spike in task resolution near the end of the sprint, suggesting that we still tend to cluster task completion toward the final few days. This pattern carries risk—especially for QA and integration—and we plan to improve it in the next sprint by spacing out testing and enforcing mid-sprint check-ins.