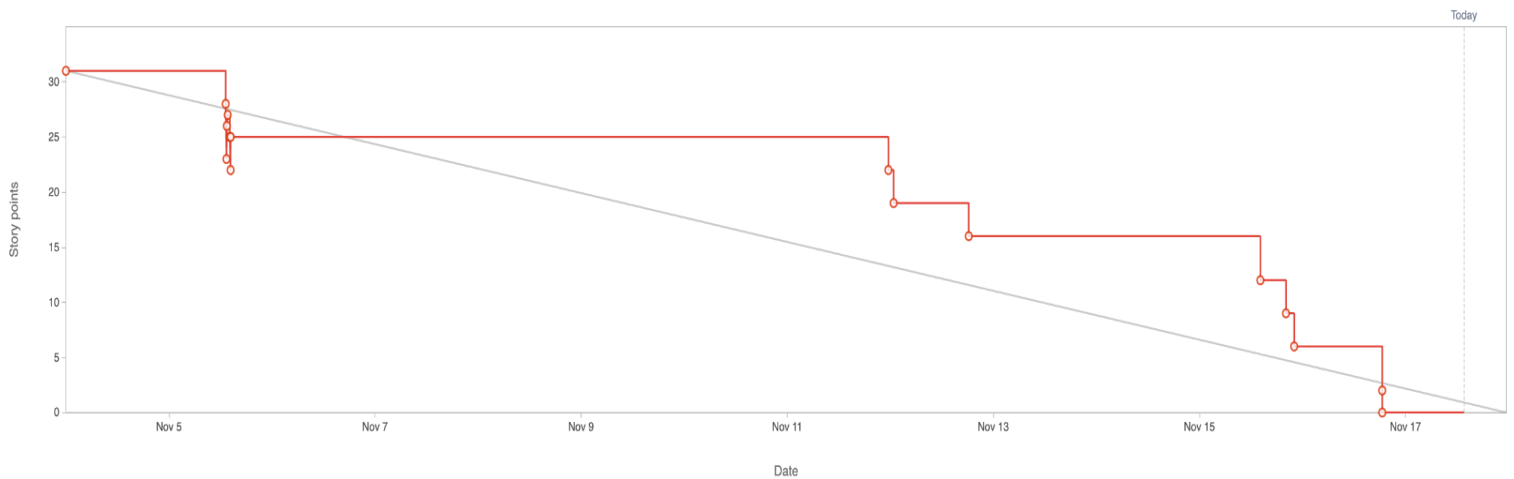## Sprint 2 Burndown Chart

Chart Analysis

The burndown chart for Sprint 2 shows how our work decreased over the two-week period. We started with 31 story points, but the scope changed several times as tasks were re-estimated or removed. The total final commitment became 25 points, and our group completed all of it by the end of the sprint. The red line drops in steps rather than a smooth slope, which is normal in Scrum as most of the work was completed in steps and dependent on each other. In the last days of the sprint, the remaining work decreased sharply as several tasks were finished at once. Despite the scope adjustments, the actual burndown followed the ideal trend (the grey line) closely and reached zero by the planned end.

Sprint 1 vs Sprint 2 Velocity Comparison

Sprint 1 Velocity: 18 story points completed

Spring 2 Velocity: 25 story points completed

The team's velocity increased by 7 story points, which is an improvement from Sprint 1. This is because Sprint 1 involved more of setting up the initial structure of the project. This onboarding work takes more time and usually results in a lower velocity. By sprint 2, we already had our basic features established, such as login, adding/displaying expenses, and we also had our connected front-end and back-end systems. In addition, in Sprint 1, a noticeable amount of our time went into figuring out how to use Git properly as a team. We ran into issues with branches, pushing code, and understanding how our GitHub flow should work. By Sprint 2, most of these

problems were gone. We had a better grasp on branching, committing, and reviewing changes, so the development process felt smoother, and we were able to focus more on actually building features. Overall, the increase in velocity and the burndown chart's steady pace reflect how much more comfortable we became with our tools and workflow over the last two weeks.