



#### Sprint Duration:

Start Date: March 22, 2025

End Date: April 4, 2025

#### Sprint Velocity:

Sprint 1 Velocity: 11/27

Sprint 2 Velocity: 42/68

Sprint 3 Velocity: 42/64

Sprint 4 Velocity: 35/35

#### Reflection:

Sprint 4 was our most balanced and efficient iteration yet. Unlike previous sprints where story points clustered toward the end, this sprint demonstrated steady and consistent progress across the timeline. The team completed all 35 story points planned, maintaining alignment and velocity throughout the sprint.

Our approach this time emphasized incremental development and frequent integrations. Tasks were scoped more accurately, and story point estimates proved to be realistic. Regular code reviews, daily check-ins, and async coordination allowed us to move features through the pipeline without bottlenecks. This balance between pace and quality contributed to a smooth delivery of key features like GitHub integration, multiplayer coding, and fill-in-the-blank questions.

#### Burndown Chart Explanation:

The Sprint 4 burndown chart shows a gradual and steady decline in story points from start to finish. This linear trend reflects our disciplined workflow and even task distribution across team members. There were no major plateaus or last-minute rushes — instead, stories were tackled in parallel and closed incrementally as they passed integration and testing milestones.

This consistent progress pattern highlights the maturity of our team's process by the final sprint. Strong planning, proactive communication, and technical confidence helped ensure that Sprint 4 ended with all 35 story points successfully completed.