Sprint 3 Report - CMPS 115 – Software Methodology
SmartTick
June 1, 2025

Team Members

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Actions to Stop Doing

- Team members should stop doing commits in large batches and only when tasks are fully complete. Infrequent commits caused progress to be slower than possible, since there is less communication between team members and some tasks were blocked by in progress tasks for longer than they needed to be.

Actions to Start Doing

- The team should start being more active and committed to keeping the scrum board up to date, particularly with story point estimation. When the estimated effort is up to date, it helps the team better understand each other's workloads, and helps to get a more realistic view of the work we should be able to achieve by the end of a sprint.
- The team should start contributing to pull requests more actively and discussing the changes to the codebase. Some amount of this already happened in sprint 3, but a higher level of participation overall would help to increase efficiency.
- The team should implement a testing framework to ensure the accuracy and efficiency of the codebase, and to remove dead code.

Actions to Keep Doing

- The team should continue having in-person scrum meetings, as these have been very helpful in planning out sprints, task assignments, goals, and helping the team to work as a more cohesive unit.
- The team should continue being diligent about having tasks assigned to each team member, updating their progress on the scrum board, and discussing their progress and results with the team on Discord. This has led to a considerable increase in the amount of work completed/progress made in this sprint compared to previous sprints.

Work Completed

- User Story 2.1
    - As a user, I want to see analysis of a stock so I can make more accurate assessments of a stock's value and make better trading decisions.
    - Story points: 18 (8 pts completed in sprint 2, last 10 in sprint 3)
- User Story 3.1
    - As a user, I want to be able to see more information about the company when I click on their stock, so that I can decide if I want to invest in this stock
    - Story points: 16
- User Story 3.2
    - As a user I want to see a graph feed of a given stock when I click on it so I can better judge its performance.
    - Story points: 4
- User Story 3.4
    - As a User I want to be able to filter Stocks by Legislature's party, state, or other stats.
    - Story points: 8

Work Not Completed

• **Work completed/not completed:** This is a list of the user stories that were completed

during the previous sprint, and a list of the user stories not completed during this sprint (but which were part of this sprint, and were in the sprint plan).

- User story 3.3
    - As a User I want to be able to click on a politician's face and see a page displaying their profile.
    - Story points: 10 (partially completed; remaining work moved to sprint 4)

Work Completion Rate

Metrics from sprint 3:

- Total number of user stories completed
    - **4 user stories**
- Total number of estimated ideal work hours
    - 4 pts = ~2.5 hours → 40 pts = ~**25 hours**
- Total number of days during the prior sprint
    - **14 days**
- User stories/day
    - 4/14 = **0.286 stories/day**
- Ideal work hours/day
    - 25/14 = ~**1.786 hours/day**

Metrics across all sprints to date:

- Average user stories/day
    - 7/42 = ~**0.167 stories/day**
- Average ideal work hours/day
    - 70/42 = ~**1.667 hours/day**

Burnup Chart

● Goal ● Current