rallyAI

CSE 115A, Fall 2019
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Sprint Report 1

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Actions to stop doing

- **Theoretical Research:** Our team members have spent this sprint coming up to speed with numerous new technologies. These include alternatives to REST, Web Scraping, and Recurrent Neural Networks. While learning these technologies, the team has felt they've invested too much of their efforts into learning the theories and low-level architectures of these tools rather than learning these technologies through a hands-on approach. Pivoting to a hands-on approach will allow us to avoid immersing ourselves in the theory behind our technologies beyond what's necessary to complete our project.
- **Over-Commitment:** At the start of our sprint, we were bullish regarding the amount of time we'd be able to dedicate to our assigned tasks. This is understandable since it was the start of the quarter and members hadn't yet been able to fully judge which of their commitments would take the most time. Now that we better have a grasp of our schedules and bandwidth, we should strive to better partition tasks in a way that is achievable within each member's limited availability.

Actions to start doing

- **SCRUM:** The team should make sure the SCRUM board better reflects its progress. Now that we've moved into the implementation phase of our projects, having an accurate SCRUM board is essential for development transparency and productivity.

Actions to keep doing

- **Continue Research:** We have numerous new technologies and paradigms to learn in order to deliver on our project. Thus far we've made meaningful progress in researching these technologies with the aim of developing a strong implementation strategy.
- **Effective Team Meetings:** Each time the team has met we've made meaningful progress. Everyone communicates effectively, shares knowledge, and pull their weight. For our project to be successful, continuing this practice is essential.

Work completed/not completed

- **Completed**
    - User Story 2: As a developer, I want to build a data pipeline so I can load it into a database/CSV file.
    - User Story 4: As a developer, I want to learn about recurrent neural networks so I can begin to work on the predictive model.
- **Incomplete**
    - User Story 1: As a developer, I want to build my data set with scrapers so I can collect data.
    - User Story 3: As a developer, I want to research GraphQL's schema so I can begin to build the API.

Work completion rate

The total number of user stories completed during this sprint is 4. The total number of estimated ideal work hours completed during this sprint was approximately 40 hours. There were 11 days during the sprint. Therefore, since there were 4 user stories and they were completed in 11 days, that gives us roughly 0.36 user stories a day. Since there were approximately 40 ideal work hours and they were distributed among 11 days, we have 3.63 ideal work hours a day distributed amongst team members.