

Sprint Report 3

rallyAI, 11/17/2019 - Release 1 - Revision 1 - Revision Date: 11/16/2019

Actions to stop doing

- Collecting historical stock data
- Building the predictive model

Actions to start doing

- Unit testing and mock data
- Connecting GraphQL API with Predictive Model API.
- Integration testing
- API demonstration

Actions to keep doing

- API architecture
- optimizing the ML model
- Export model architecture (JSON) and weights (h5)

Work completed/not completed

- **Completed**
 - **User Story 41:** As a developer, I want to build my data set with scrapers so I can collect data.
 - **Task 42:** Containerize Web Scraper
 - **Task 43:** Resolve Bugs in Web Scraper
 - **Task 54:** Style Guide
 - **User Story 19:** As a developer, I want to use caching so the APIs latency is optimized.
 - **User Story 18:** As a developer, I want to start providing basic functionality to our API so the user can interact with it.
 - **User Story 44:** As a developer, I want a complete ML predictive model to be integrated with our API so users can begin to query predictions.
 - **Task 1:** Have a working model done
 - **Task 2:** Export model architecture (JSON) and weights (h5)
- **Incomplete**
 - **User Story 44:** As a developer, I want a complete ML predictive model to be integrated with our API so users can begin to query predictions.
 - **User Story 51:** As a developer, I want to implement continuous integration to detect errors before the project is deployed.

- **Blocked**
 - **User Story 44:**
 - **Task 58:** Query data from the database
 - **Task 50:** Integrate with the API
 - **User Story 51:** As a developer, I want to implement continuous integration to detect errors before the project is deployed.
 - **Task 52:** Create an Azure pipeline YAML configuration
 - **Task 57:** Write a unit test file in Jest

Work completion rate

This sprint we completed 36% of the overall work assigned to this sprint according to the burndown chart in Azure DevOps. We have 5 stories remaining, with only a few remaining tasks between them. We are still on schedule for completion.