

Sprint Planning Meeting Minutes: 25min

Attendees: Dylan Suniaga, Anabella Trias, Gabriel Lopez, Kevin Duran

Start time: 2:00 PM

End time: 2:25 PM

After discussion, the velocity of the team for the upcoming Capstone II sprint was estimated to be **39 user story points**, accounting for data expansion, research-oriented tasks, and the initial sprint setup.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority

- **Numerical Features:** As a seller, I want to understand how numerical features such as price, review counts and distributions, number of images, and other quantitative attributes affect the likelihood that my product achieves a strong Best Seller Rank (BSR). This includes applying feature engineering techniques on large-scale datasets to extract meaningful patterns and identify the most impactful variables for predictive modeling. (13 pts)
- **Image Analysis:** As a seller, I want to understand how image-related factors, including image quality, visual content, resolution, and other image analytics, affect the likelihood that my product achieves a strong Best Seller Rank (BSR). This involves performing large-scale image processing on datasets with tens of thousands of products and optimizing pipelines to efficiently handle multiple images per product. (13 pts)
- **Title and Description:** As a seller, I want to analyze how product title and description text influence the likelihood of achieving a Best Seller Rank (BSR), so I can optimize listings using text-based signals learned from historical data. This includes implementing and refining NLP pipelines using techniques such as TF-IDF, dimensionality reduction (SVD), and advanced feature extraction to improve model performance. (13 pts)

The team members indicated their willingness to work on the following user stories.

- **Gabriel:** User Story 1 – Numerical Features
- **Anabella:** User Story 3 – Title and Description
- **Kevin:** User Story 3 – Title and Description
- **Dylan:** User Story 2 – Image Analysis and data acquisition