

Sprint Planning Meeting Minutes:

Attendees: Monisha Kummari, Gabriel Xirinachs, Chloe Lindsay, Maria Gonzalez Vega, Jabbar Morla

Start time: 12:00pm

End time: 12:30pm

After discussion, the velocity of the team was estimated to be 5 stories for this sprint

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

- **User Story 4: Data Cleaning & Preprocessing**
As a developer, I want to complete data cleaning, preprocessing, and class imbalance handling so the dataset is ready for feature engineering and model training.
- **User Story 5: Project Scope & Success Metrics Definition**
As a product owner, I want to finalize the problem statement, objectives, and success metrics so model performance can be evaluated consistently.
- **User Story 6: Feature Engineering**
As a developer, I want to engineer and transform features (scaling, normalization, derived features) so models can learn meaningful patterns from the data.
- **User Story 7: Baseline Logistic Regression Model**
As a developer, I want to train and evaluate a logistic regression model to establish a baseline fraud detection performance.
- **User Story 8: Random Forest Model & Model Comparison**
As a developer, I want to train a random forest model and compare it against the baseline using precision, recall, and ROC-AUC to select a primary model.

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

- Gabriel Xirinachs
 - User Story 6: Feature engineering implementation
 - User Story 8: Coordinate model comparison and final model selection
- Monisha Kummari
 - User Story 5: Finalize project scope, success metrics, and acceptance criteria
 - User Story 7: Logistic Regression evaluation and visualization
- Chloe Lindsay
 - User Story 7: Baseline Logistic Regression Model
- Maria Gonzalez Vega
 - User Story 4: Finalize preprocessing and class imbalance handling
 - User Story 6: Feature scaling and transformation
- Jabbar Morla
 - User Story 8: Random Forest Model & Model comparison