

Sprint Planning Meeting Minutes:

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

Start time: 1:00pm

End time: 1:30pm

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 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 9: Anomaly Detection Model Implementation**

As a developer, I want to implement an anomaly detection model so that unusual transaction behavior can be detected beyond supervised classification.

- **User Story 10: Model Comparison & Final Model Selection**

As a team, we want to compare supervised models and anomaly detection results so we can choose the most effective model(s) for fraud detection.

- **User Story 11: Model Persistence & Saving Artifacts**

As a developer, I want to save trained models to files so they can be reused for inference without retraining.

- **User Story 12: Inference Pipeline Creation**

As a developer, I want to build a script that loads trained models and performs fraud prediction so the system can support real-time or batch inference.

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

- Gabriel Xirinachs
 - User Story 10: Coordinate model comparison and assist with final model selection
 - User Story 12: Support inference pipeline structure and integration
- Monisha Kummari
 - User Story 6: Finalize feature engineering consistency and validation
 - User Story 10: Document evaluation rationale and final model selection criteria
- Chloe Lindsay
 - User Story 9: Implement anomaly detection model and visualize results
- Maria Gonzalez Vega
 - User Story 6: Validate feature transformations and preprocessing stability
 - User Story 11: Assist with saving model artifacts and verifying reproducibility
- Jabbar Morla
 - User Story 11: Save trained models and manage model artifacts

- User Story 12: Implement model loading and prediction logic