

User story Table

User Story ID	User Role	User Story	Acceptance Criteria
US1	Customer	As a customer, I want to be able to complete transactions quickly and securely	Transactions should be processed within 3 seconds with an error rate of less than 1%
US2	Fraud Analyst	As a fraud analyst, I want to receive alerts for suspicious transactions	Alerts should be generated within 2 seconds of transaction completion
US3	Customer	As a customer, I want to receive a notification if my transaction is flagged as suspicious	Notifications should be sent within 1 second of the transaction being flagged
US4	Fraud Analyst	As a fraud analyst, I want to see detailed information about flagged transactions	Detailed information should include transaction amount, location, time, and reason for flagging
US5	Admin	As an admin, I want to update the machine learning model with new data	The model should be updated without interrupting real-time transaction monitoring
US6	Customer	As a customer, I want assurance that my transaction data is stored securely	Transaction data should be encrypted and stored in a secure database
US7	Fraud Analyst	As a fraud analyst, I want to manually override the system's decision	Fraud analysts should be able to mark transactions as legitimate or fraudulent

User story Table

			through an override mechanism
US8	Admin	As an admin, I want to monitor the performance of the fraud detection system	Performance metrics such as detection accuracy, false positives, and false negatives should be available
US9	Customer	As a customer, I want my past transactions to be considered in fraud detection	The system should use historical transaction data to improve the accuracy of fraud detection
US10	Fraud Analyst	As a fraud analyst, I want to provide feedback on false positives and false negatives	Analysts should be able to log feedback on the system's decisions to improve the model
US11	Admin	As an admin, I want to ensure the system scales with increased transaction volume	The system should handle up to 10,000 transactions per second without performance degradation
US12	Customer	As a customer, I want to see a summary of my transaction history	Customers should be able to view a summary of their transactions over the past month
US13	Fraud Analyst	As a fraud analyst, I want access to visualizations of transaction data	Visualizations should include graphs and charts to help identify trends and patterns in transaction data
US14	Admin	As an admin, I want to configure alert thresholds for different types of transactions	The system should allow configurable thresholds for various transaction types and amounts

User story Table

US15	Customer	As a customer, I want my sensitive information to be protected during transactions	The system should comply with industry standards such as PCI-DSS for protecting sensitive customer information