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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 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 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 | | 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 | |
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