

Project Design Phase-II

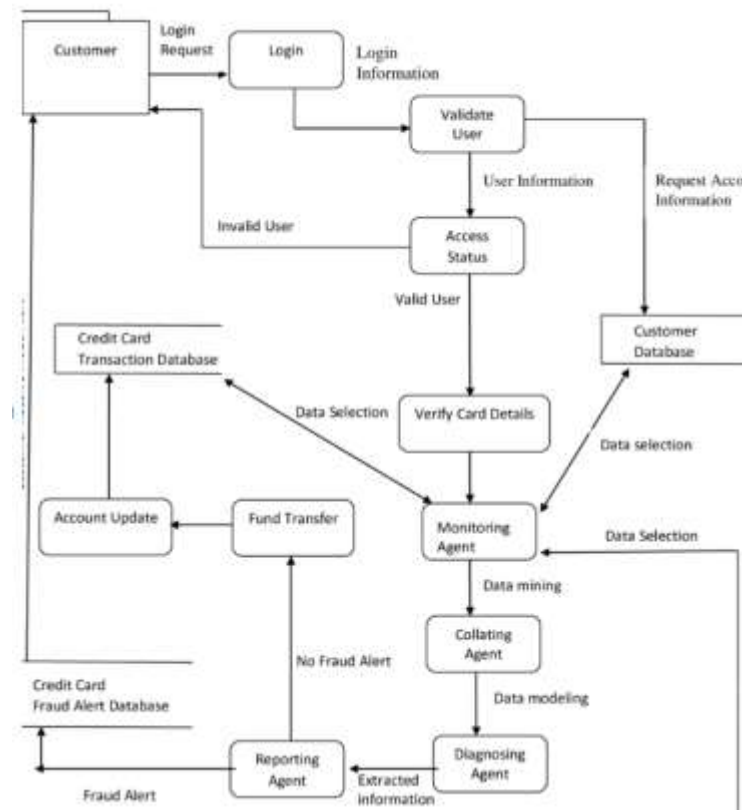
Data Flow Diagram & User Stories

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Project Name	Credit Card Fraud Detection

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example:



User Stories

Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Credit Card Fraud Detection	CD-001	As a fraud analyst, I want to access a dashboard displaying real-time transaction data.	The dashboard should show transaction details, including amount, timestamp, and user information. It should update in real-time and be accessible from the analyst's account.	High	Sprint-1
Credit Card Fraud Detection	CD-002	As a fraud analyst, I want to receive alerts for potentially fraudulent transactions.	The system should send an alert for transactions exceeding a predefined risk threshold. Alerts should include transaction details and be sent via email and within the dashboard.	High	Sprint-1
Credit Card Fraud Detection	CD-003	As a fraud analyst, I want to manually flag transactions as fraudulent or non-fraudulent.	The system should allow analysts to review transactions and manually mark them as either fraudulent or non-fraudulent. The status change should be logged for audit purposes.	Medium	Sprint-1.1
Credit Card Fraud Detection	CD-004	As a fraud analyst, I want to view a historical log of flagged transactions.	The system should maintain a log of all transactions marked as fraudulent or non-fraudulent, including the reason for the decision. The log should be searchable and exportable.	Medium	Sprint-1.1
Credit Card Fraud Detection	CD-005	As a fraud analyst, I want to receive automated reports summarizing daily, weekly, and monthly fraud trends.	The system should generate and send reports to analysts, summarizing key fraud metrics and trends over different time periods.	Medium	Sprint-1.2
Credit Card Fraud Detection	CD-006	As a fraud analyst, I want to have access to machine learning models that aid in fraud detection.	The system should integrate machine learning models for anomaly detection and pattern recognition. Analysts should be able to configure and fine-tune these models.	High	Sprint-2
Credit Card Fraud Detection	CD-007	As a fraud analyst, I want to receive notifications when the machine learning models are updated.	The system should notify analysts when machine learning models are updated, detailing the changes made. This ensures analysts are aware of any adjustments to the fraud detection algorithms.	Medium	Sprint-2
Credit Card Fraud Detection	CD-008	As a fraud analyst, I want the system to automatically adjust risk thresholds based on historical data.	The system should continuously analyze historical data and automatically adjust risk thresholds to adapt to changing fraud patterns. Analysts should have the ability to review and override these adjustments.	High	Sprint-2

