

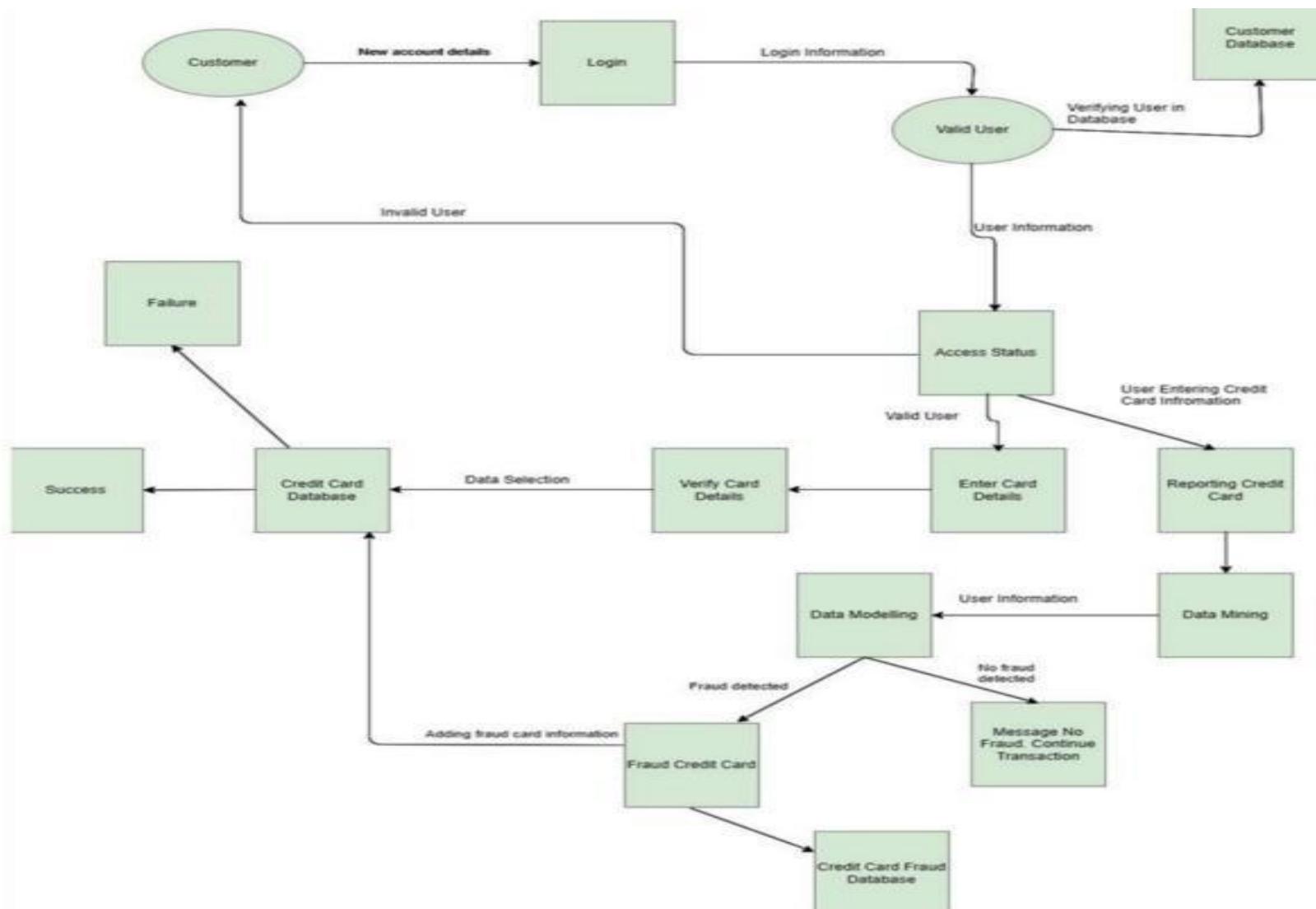
**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	1 February 2026
Team ID	LTVIP2026TMIDS48224
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	4 Marks

**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

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
<b>Customer (Web User)</b>	Access Application	USN-1	As a user, I can open the home page of the application	Home page loads successfully	High	Sprint-1
	Enter Transaction Details	USN-2	As a user, I can enter transaction details (amount, balances, type, etc.)	Form accepts valid input without errors	High	Sprint-1
	Fraud Prediction	USN-3	As a user, I can submit transaction details and get prediction result	System displays Fraud / Not Fraud result	High	Sprint-1
	Input Validation	USN-4	As a user, I should receive error if fields are empty or invalid	Validation message is shown	Medium	Sprint-2
	Multiple Predictions	USN-5	As a user, I can test multiple transactions consecutively	System responds correctly every time	High	Sprint-1
<b>Administrator (System Owner)</b>	Model Training	USN-6	As an admin, I can train ML models using dataset	Models are trained successfully	High	Sprint-1
	Model Selection	USN-7	As an admin, I can select the best-performing model	Best model saved as model.pkl	High	Sprint-1
	System Monitoring	USN-8	As an admin, I can test prediction accuracy	Model shows high accuracy (~99%)	Medium	Sprint-2
<b>Customer Care / Analyst (Future Scope)</b>	Prediction Logging	USN-9	As an analyst, I can store prediction history for analysis	Transaction logs are stored in database	Low	Sprint-3
	Fraud Analytics	USN-10	As an analyst, I can view fraud statistics dashboard	Dashboard displays fraud metrics	Low	Sprint-3