Project Design Phase-II
Data Flow Diagram & User Stories

Date	08 November 2023
Team ID	592286
Project Name	Online Payments Fraud Detection
Maximum Marks	4 Marks

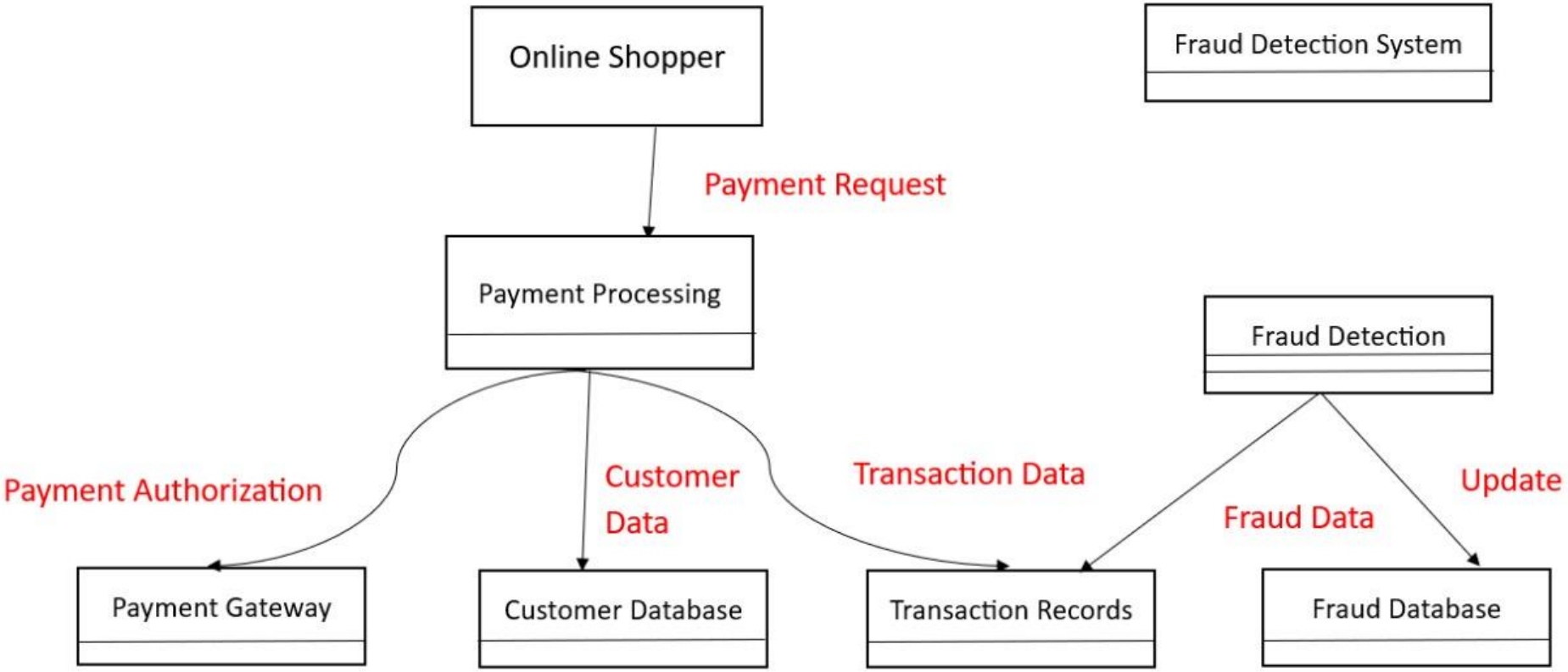
Data Flow Diagrams:

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.

DFD graphically representing the functions, or processes, which capture, manipulate, store, and distribute data between a system and its environment and between components of a system. The visual representation makes it a good communication tool between User and System designer. Structure of DFD allows starting from a broad overview and expand it to a hierarchy of detailed diagrams. DFD has often been used due to the following reasons:

- Logical information flow of the system
- Determination of physical system construction requirements
- Simplicity of notation
- Establishment of manual and automated systems requirements

DFD LEVEL 0 – Online Payment Fraud Detection



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
API Consumer	Registration	USN-1	As an API consumer, I want to integrate the Credit Card Fraud Prediction API into my application to automate fraud predictions for a batch of transactions.	I can access the API documentation to understand the input and output formats.	High	Sprint-1
Customer (Web Application user)	Transaction Input Form	USN-2	As a user, I want to input transaction details into the Credit Card Fraud Detection web application to receive a prediction about the likelihood of fraud.	I can submit the form containing transaction details, including time, amount, transaction method, transaction ID, card type, location, and bank by clicking the "Predict" button.	High	Sprint-1
		USN-3	As a user, I want to explore historical fraud trends in the Credit Card Fraud Detection web application to gain insights into potential risks.	I can filter the historical data based on various criteria, such as time range, transaction method, card type, and location. The system provides an intuitive and user-friendly interface for interacting with the historical fraud data.	Medium	Sprint-2
API Consumer	Credit Card Fraud Prediction API Integration	USN-4	As an API consumer, I want to integrate the Credit Card Fraud Prediction API into my application to automate fraud predictions for a batch of transactions.	I can receive meaningful error messages in case of issues, facilitating debugging and troubleshooting and I have access to a test environment for initial integration and testing.	High	Sprint-1