Project Design Phase-II
Data Flow Diagram & User Stories

Date	
Team ID	LTVIP2026TMIDS40243
Project Name	*Online Payment Fraud Detection*
Maximum Marks	4 Marks

Data Flow Diagram (DFD):

- A Data Flow Diagram (DFD) represents how transaction data flows through our **Online Payments Fraud Detection System**. It visually explains how user transaction details (such as amount, type, balances) enter the system, how they are processed by the machine learning model, and how the final fraud prediction result is generated.

- In our project, the DFD shows how transaction data is collected from the user interface, passed to the Flask backend, processed by the trained Decision Tree model, and finally classified as **"Fraud"** or **"Not Fraud."** It also represents how the dataset was used during training and how the saved model file is integrated into the system.
- This structured representation helps in clearly understanding the system architecture, data processing flow, model interaction, and final output generation in a real-time fraud detection environment.