Project Design Phase-2

Data Flow Diagram & User Stories

Date	03 November 2023
Team ID	592128
Project Name	Online Payments Fraud Detection using ML
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.
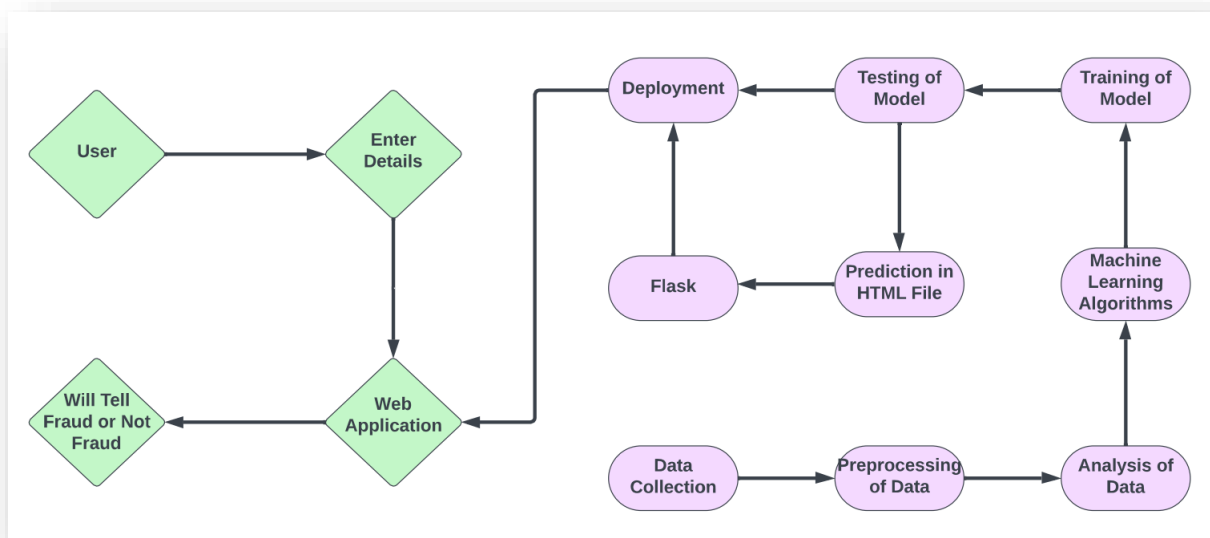
User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Retail banking customer	Real-time alerts	USN-1	I want to receive instant notifications on my mobile device if any suspicious activity is detected on my account.	The system sends real-time alerts for transactions that deviate from my typical spending patterns.	High	Sprint-1
Investment banking client	Real time monitoring	USN-2	I want the investment platform to automatically trigger alerts if there are unusual trading patterns or unexpected changes in my portfolio.	Receive immediate alerts for any high-risk trading activities or portfolio adjustments.	High	Sprint-1
Pension plan participant	Detects irregularities	USN-3	I want the pension management system to alert me if there are irregularities in my contribution or disbursement history.	Receive notifications for any unexpected changes in pension contributions or withdrawals.	Medium	Sprint-2
Payment services user	Detects unauthorized transactions	USN-4	I want the payment system to detect and prevent unauthorized transactions, especially for online and mobile payments.	Experience seamless authentication processes and receive alerts for any suspicious transactions.	Medium	Sprint-2
System administrator for the financial services group	Regular software updates	USN-5	I want to ensure that the fraud detection software is regularly updated to adapt to emerging fraud patterns and maintain optimal performance.	Receive regular updates on software enhancements, and have the ability to schedule and implement updates seamlessly.	Medium	Sprint-2