

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

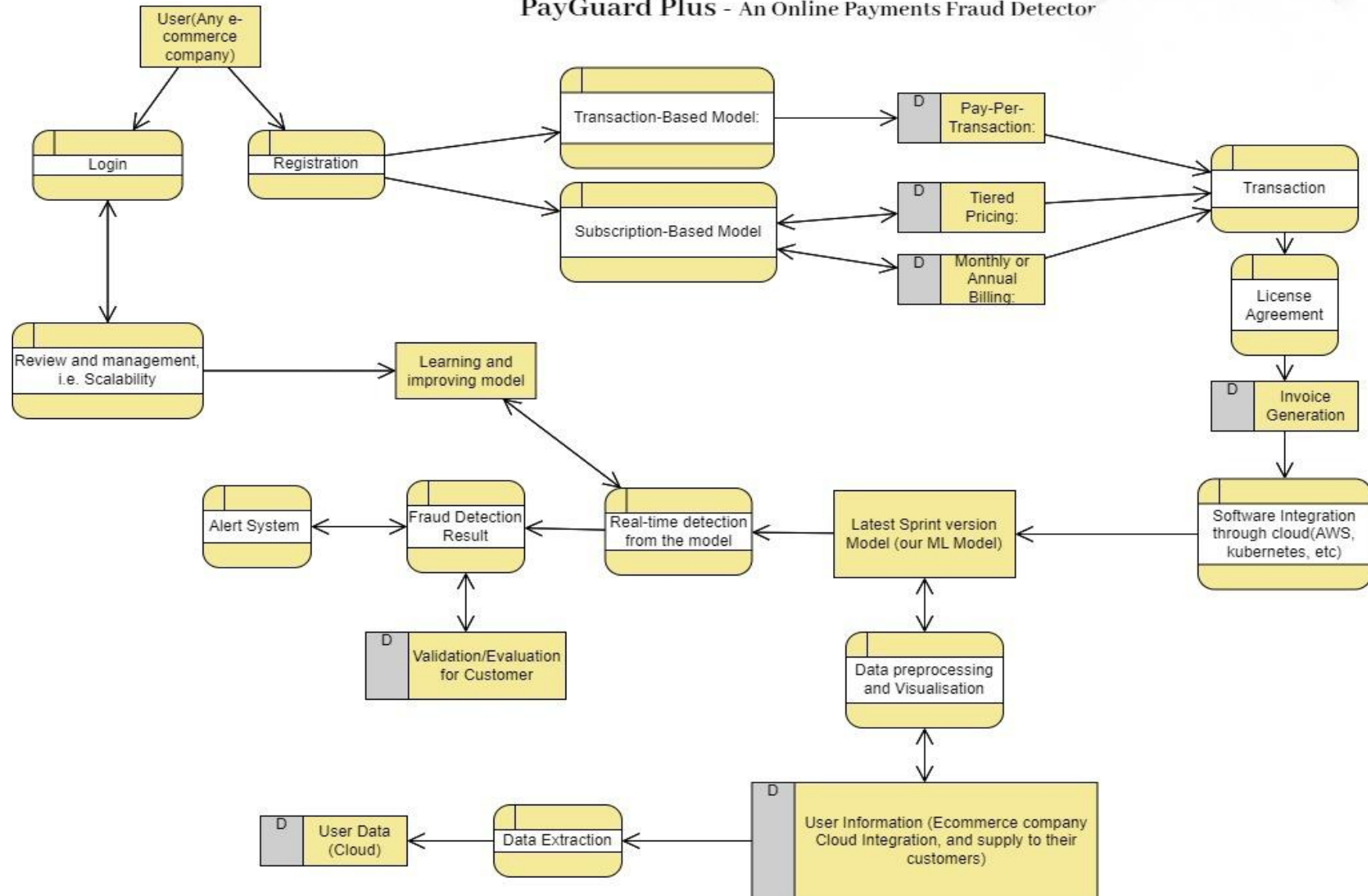
Date	23rd October 2023
Team ID	593197
Project Name	PayGuard Plus – An Online Payments Fraud Detector
Maximum Marks	2 Marks
Team Size	3
Member 1 – Team Lead	Akshit Bahl (21BIT0012)
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**Data Flow Diagrams:**

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.

## PayGuard Plus

## PayGuard Plus - An Online Payments Fraud Detector



PayGuard Plus

## **User Stories**

<b>User Type</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1

	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-6	As an end user, I want to be able to contact customer support directly from the payment portal's interface when I suspect a fraudulent transaction	I can do that	High	Sprint-1
		USN-7	As an end user, I want to see clear explanations of why a transaction was flagged as suspicious to help me understand the system's decision.	I can do that	Low	Sprint-3
Customer (Web user)	End-User	USN-8	As an end user, I want to receive real-time notifications when a potentially fraudulent transaction occurs using my account, and I want the option to confirm or dispute the transaction.	I can check the details	High	Sprint-1

		USN-9	As an end user, I want to access a user-friendly portal where I can review my transaction history, change security settings, and report any unauthorized activities.	I can do that	High	Sprint-2
		USN-10	As an end user, I want to receive educational content and tips on how to protect my account and recognize potential fraud attempts.	I can do that	Low	Sprint-3
Customer Care Executive		USN-11	As a Customer Care Executive, I want to have access to a user-friendly dashboard that displays real-time transaction alerts and flagged transactions, so I can quickly assist users with their concerns	I can do that	High	Sprint-1

		USN-12	As a Customer Care Executive, I want to be able to search for specific transactions using various search criteria, such as transaction ID, date, and user details, to efficiently locate and review transaction details.	I can do that	High	Sprint-1
		USN-13	As a Customer Care Executive, I want to send automated email notifications to users when a transaction is flagged as suspicious, providing them with guidance on next steps and how to dispute the transaction.	I can do that	Medium	Sprint-2
Administrator	Business Administrator	USN-14	As a business administrator, I can configure custom fraud detection rules and policies to tailor the system to the specific needs and transaction patterns of my organization.	I can customize the fraud detection software according to my organization's needs.	Medium	Sprint-2
		USN-15	As a business administrator, I want to access real-time and historical transaction data to analyze the effectiveness of the fraud detection system.	I can do that	High	Sprint-1

		USN-16	As a business administrator, I want to generate detailed reports and analytics to understand the financial impact and performance of the fraud detection system.	Can do that	Medium	Sprint-1
	Payment Portal Administrator	USN-17	As a payment portal administrator, I want to integrate the fraud detection system seamlessly into our existing payment processing infrastructure without disrupting our services.	I can integrate the feature.	High	Sprint-1
		USN-18	As a payment portal administrator, I want to receive automated alerts and notifications in real-time when potentially fraudulent transactions are detected, so I can take immediate action	I can do that	Medium	Sprint-2
		USN-19	As a payment portal administrator, I want to have access to a user-friendly dashboard that provides an overview of the system's performance and key metrics.	I can do that	Medium	Sprint-3

	System Administrator	USN-20	As a system administrator, I want to configure automated system updates and maintenance tasks to ensure the system's reliability and performance.	I can do that	High	Sprint-2
		USN-21	As a system administrator, I want to set up automated system backups and recovery procedures to minimize downtime in case of system failures.	I can do that	Medium	Sprint-2
Analyst	Fraud Analyst	USN-22	As a fraud analyst, I want to review flagged transactions with detailed information, including user profiles, transaction history, and reasons for suspicion.	I can do that	High	Sprint-2
		USN-23	As a fraud analyst, I want to mark transactions as legitimate or fraudulent and provide comments to support my decisions.	I can do that	High	Sprint-1
		USN-24	As a fraud analyst, I want to access a historical database of previously flagged transactions to identify recurring patterns and fraud tactics.	I can do that	High	Sprint-2



		USN-25	As a fraud analyst, I want to collaborate with other analysts and share insights about emerging fraud threats.	I can do that	Medium	Sprint-3
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