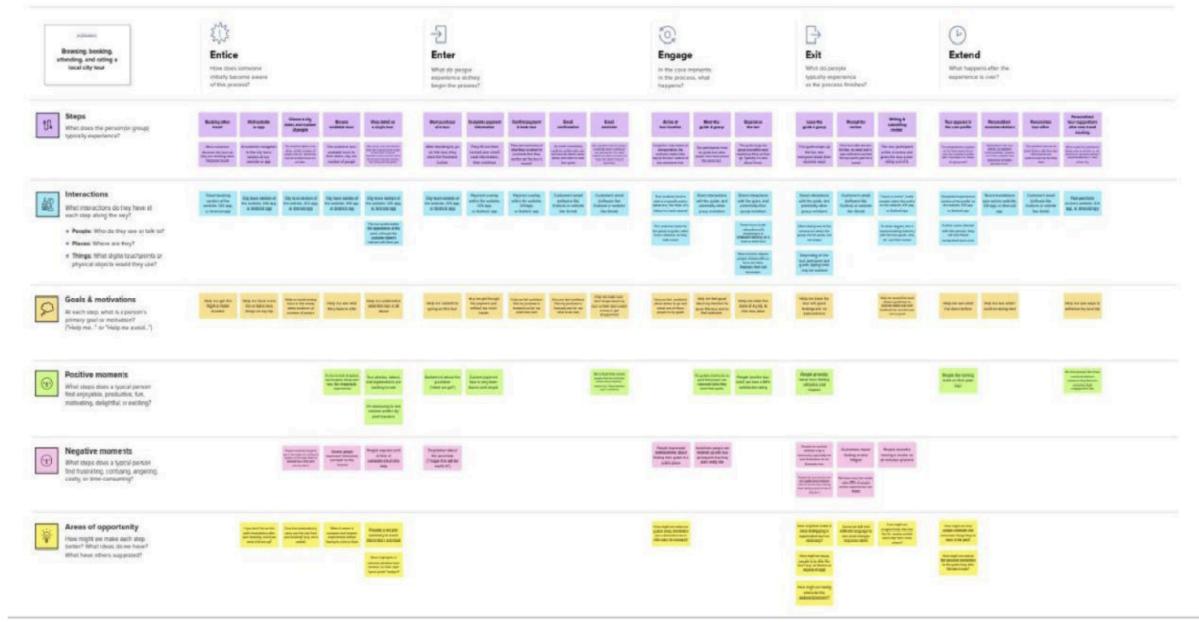


Online Payments Fraud Detection using ML

Team ID : LTVIP2026TMIDS82036

Customer Journey Map:



Functional Requirements:

Following are the functional requirements of the proposed solution.

SI.NO	Requirement	Description
1	User Authentication & Authorization	The system must authenticate users such as administrators and fraud analysts. Role-based access control must restrict actions to authorized users only.
2	Data Collection & Storage	Data retrieval must be supported for analysis and

	reporting.
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Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

SI.NO	Requirement	Description
1	Performance	The system must process high volumes of transactions in real-time with minimal response delay for fraud alerts.
2	Scalability	The architecture should support horizontal scaling to handle increased transaction loads without performance degradation.
3	Security	Ensure encryption of data in transit and at rest. Strong access control and audit trails must be maintained.
4	Availability	High system uptime with redundancy and failover mechanisms to minimize downtime.
5	Compliance	Must comply with regulations such as GDPR and PCI DSS. Regular audits and compliance

		reports are required.
6	Usability	Provide user-friendly interfaces for fraud analysts. Include user training and support.