Date	**23 October 2023**
Team ID	**592128**
Project Name	**Online Payments Fraud Detection using ML**
Maximum Marks	**10**

Online Payments Fraud Detection using ML

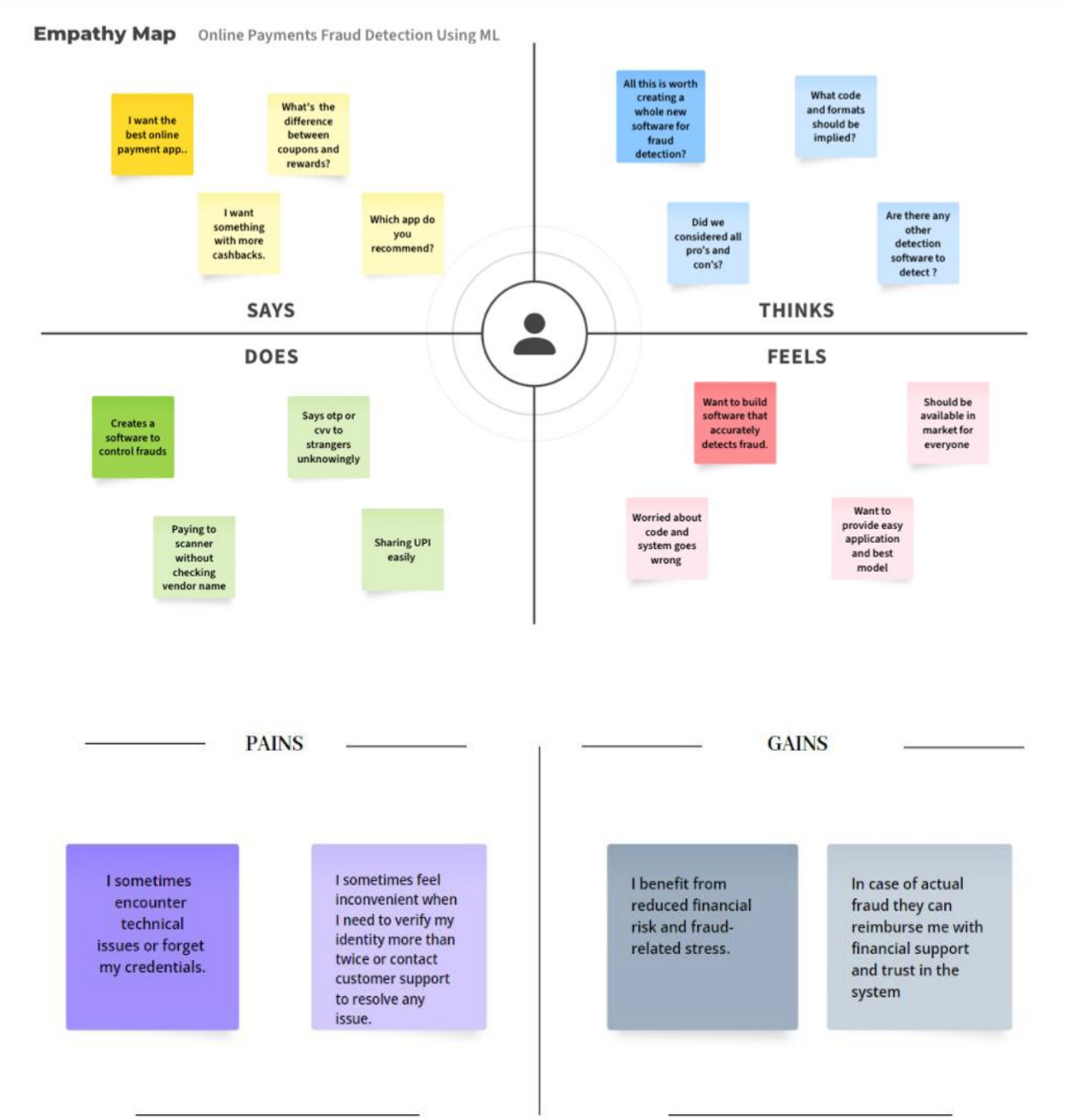
The progress in cyberspace and buying performs to include the use of connected to the internet credit/card for shopping without cash undertakings. The frauds maybe discovered through differing approaches, still they delay in their veracity and allure own particular disadvantages. If skilled are some changes in the conduct of the undertaking, the frauds are concluded and captured for further process. We will train and test the dossier with these algorithms. From this high-quality model is picked and preserved in pkl layout. We will be achievement chalice unification and IBM arrangement.

Ideation Phase

In this Ideation phase need to work on the Empathy Map and the Brainstroming Map which helps in understanding the project and the set solution requirements.

Problem Statement:

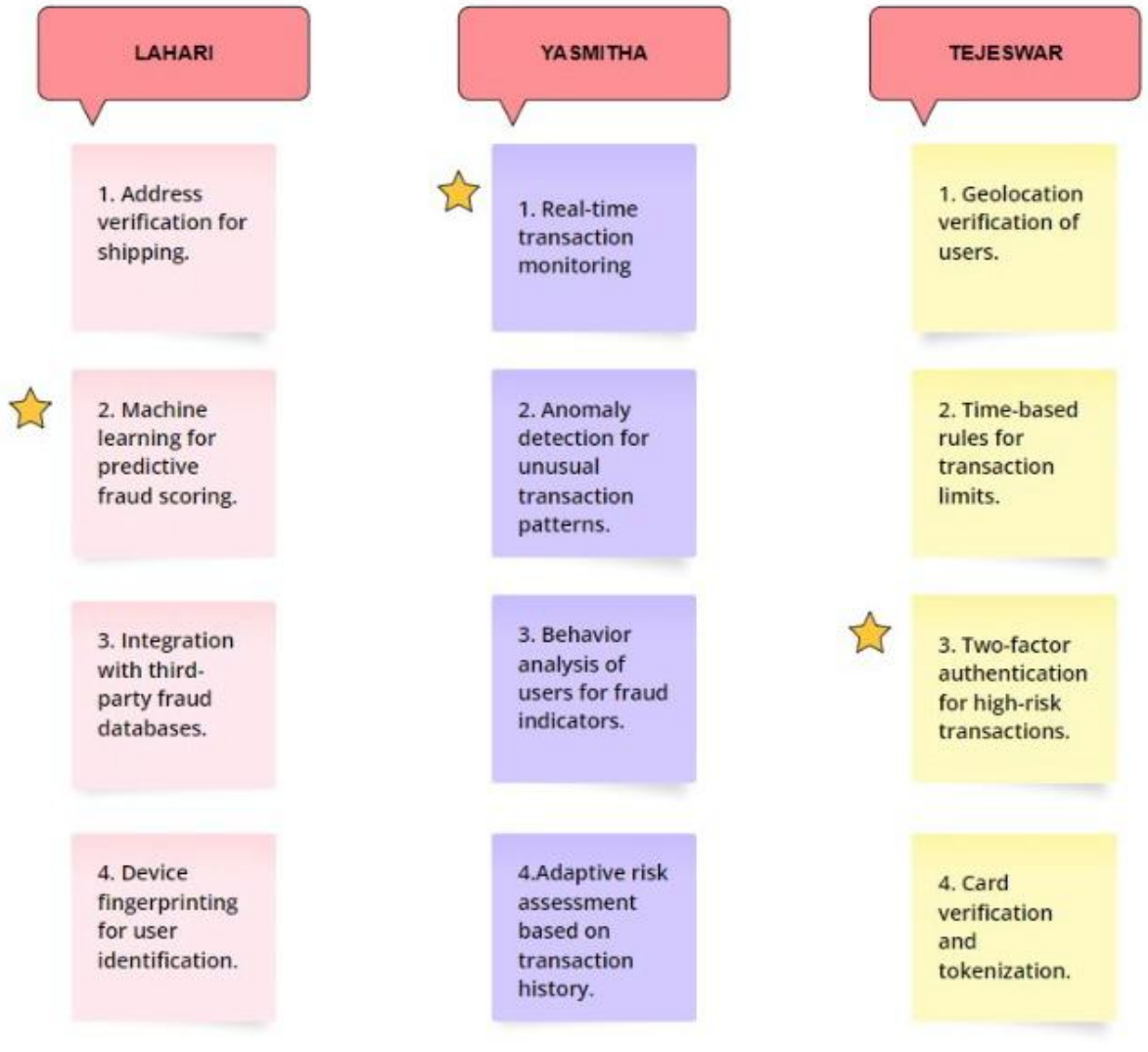
"Develop an effective online payments fraud detection system using machine learning to reduce false positives, enhance customer satisfaction, and minimize financial losses for the company/banks".



Brain Storming

Problem Statement:

How might we enhance the accuracy of Online Payment Fraud Detection while minimizing false positives and ensuring a seamless user experience?


LAHARI
1. Address verification for shipping.
2. Machine learning for predictive fraud scoring.
3. Integration with third-party fraud databases.
4. Device fingerprinting for user identification.
YASMITHA
1. Real-time transaction monitoring
2. Anomaly detection for unusual transaction patterns.
3. Behavior analysis of users for fraud indicators.
4.Adaptive risk assessment based on transaction history.
TEJESWAR
1. Geolocation verification of users.
2. Time-based rules for transaction limits.
3. Two-factor authentication for high-risk transactions.
4. Card verification and tokenization.


High Priority
1. Real-time transaction monitoring
2. Two-factor authentication for high-risk transactions.
3. Machine learning for predictive fraud scoring.
4. Anomaly detection for unusual transaction patterns.
Medium Priority
1. Address verification for shipping.
2. Integration with third-party fraud databases.
3. Behavior analysis of users for fraud indicators.
4. Geolocation verification of users.
Low Priority
1.Adaptive risk assessment based on transaction history.
2. Time-based rules for transaction limits.
3. Device fingerprinting for user identification.
4. Card verification and tokenization.