

Ideation Phase Brainstorm & Idea Prioritization Template

Date	18 th October 2023
Team ID	Team-592416
Project Name	Online Payments Fraud Detection using ML
Maximum Marks	4 Marks

Team Members

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Brainstorm & Idea Prioritization:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Mural Link (Brainstorming)

<https://app.mural.co/t/atgsworkspace2758/m/atgsworkspace2758/1697613685502/8d94fdae546f3e85faa57e0e0eb2532a7b52d5a8?sender=u6662b8c63e5c4dfa94ac8405>

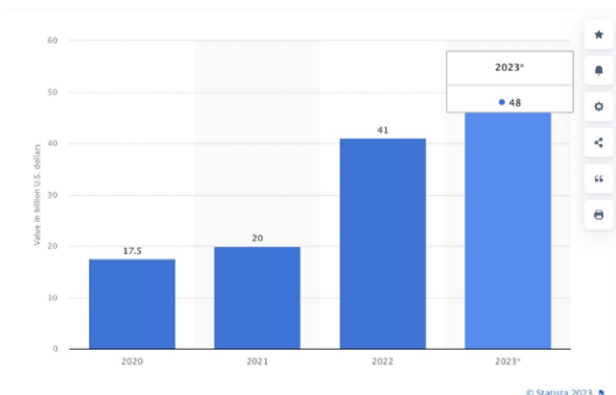
Step-1: Team Gathering, Collaboration and Select the Problem Statement

1

Define your problem statement

Online payment fraud is growing day by day. A problem that millions of customers and businesses worldwide are dealing with. In recent years, there has been a gradual growth in payment fraud. Online fraud has increased by at least 30%, according to "Statista," resulting in approximately \$31 billion USD in payment fraud. This applied to the years 2020–2022. By the end of 2023, it is predicted that the amount would have increased to \$48 billion USD.

🕒 5 minutes



PROBLEM

How might we develop an efficient and accurate method to detect and prevent online payment fraud while minimizing false positives and ensuring a seamless user experience?

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!



Person 1

ML-based
Web
application
for detection

User and
Entity
Behavior
Analytics

Rule-Based
Systems

Person 2

Collaboration
and Data
Sharing

AI
application
for detecting
fraud

Behavior-
based
Authentication

Person 3

Data driven
ML
Application

Geographical
Anomaly
detection
system

Employee
training and
awareness

Person 4

Network
Analysis
using pattern
recognition

Application
for
Transaction
Sequence
Analysis

Geographical
Anomaly
detection
system

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

ML-based
Web
application
for detection

Data driven
ML
Application

AI
application
for detecting
fraud

Geographical
Anomaly
detection
system

IP based
detection
system

User and
Entity
Behavior
Analytics

Behavior-
based
Authentication

Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.

