

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	22 January 2026
Team ID	LTVIP2026TMIDS90948
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:


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.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

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


Template



### Brainstorm & Idea Prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.


⌚ 10 minutes to prepare  
🕒 1 hour to collaborate  
👥 2-8 people recommended




#### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.


⌚ 10 minutes

 Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.


 Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

 Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →




#### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes


#### PROBLEM


The project aims to enhance online payment security by leveraging machine learning for fraud detection. Using a dataset from Kaggle containing historical information on online transactions, the goal is to train a model that can classify transactions as fraudulent or non-fraudulent. Key features include transaction details such as type, amount, and user balances, with the objective of understanding patterns that lead to online payment fraud.





#### Key rules of brainstorming


To run an smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.

## Step-2: Brainstorm, Idea Listing and Grouping

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### 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.

Implement  
seamless  
user  
interface

Implement  
responsive  
design  
principles

Feature  
engineering  
techniques to  
enhance the  
dataset

Diverse range of  
algorithms, such as  
decision trees,  
random forests,  
support vector  
machines, k-nearest  
neighbors, and  
XGBoost.

Public  
Awareness/  
Marketing

## Step-3: Idea Prioritization

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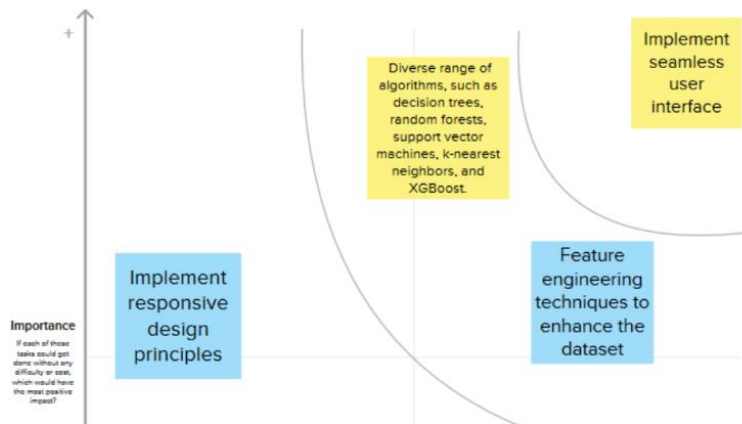
### Prioritize

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.



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### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

#### Quick add-ons

- Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

#### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

**Final Selected Concept:** An integrated Machine Learning pipeline that uses **XGBoost (optimized for a 99% F1-score)** connected to a **Flask Web UI**, providing tiered security responses based on the calculated risk probability of each transaction.