

Ideation Phase

Brainstorm & Idea Prioritization

Date	1 February 2026
Team ID	LTVIP2026TMIDS91648
Project Name	Gemini Historical Artifact Description
Maximum Marks	4 Marks

Step-1: Team Gathering & Problem Selection

Team Collaboration Process

The team conducted structured brainstorming to explore real-world applications of Generative AI in educational and cultural domains.

Discussion Areas Explored:

- AI museum description generator
- AI historical timeline builder
- AI artifact storytelling assistant
- AI research abstract generator
- AI cultural heritage explainer

After evaluating feasibility and implementation scope, the team selected:

Final Problem Statement

Problem:

Historians, museum curators, and students spend significant time writing detailed artifact descriptions for research papers, blogs, and exhibitions. The process requires historical accuracy, artistic context, and structured formatting.

Selected Solution:

Develop an AI-powered web application that automatically generates detailed historical artifact descriptions based on user input using Google Gemini API.



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

A Team gathering

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

B Set the goal

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

C Learn how to use the facilitation tools

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

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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
How might we [your problem statement]?



Key rules of brainstorming

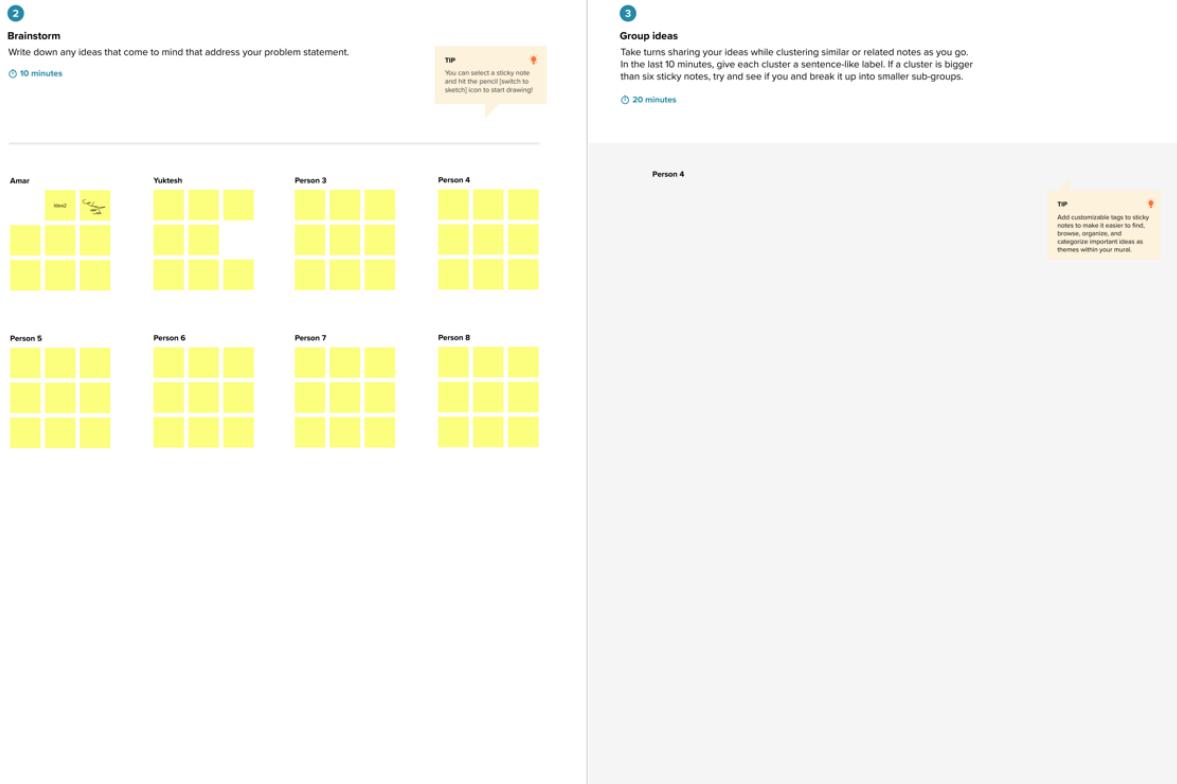
To run a smooth and productive session

- | | |
|-------------------|----------------------------|
| 🕒 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

Raw Ideas Generated:

- Generate artifact descriptions
- Word count customization
- Download as PDF
- Download as Markdown
- Display historical fact during loading
- Multi-language support
- Save previous descriptions
- Add artistic style analysis
- Generate image prompts
- Dark mode UI
- User authentication
- Save previous recipes
- Dark mode UI



Step-3: Idea Prioritization

A prioritization matrix was applied using two factors:

- Impact (Value to user)
- Effort (Development complexity)

This helped the team select features that provide maximum user value with manageable implementation effort.

High Impact – Low Effort (Selected for Implementation)

These features were implemented in Gemini Historical Artifact Description:

1. AI-generated historical artifact description
Automatically generates structured and detailed descriptions using Google Gemini.
2. Word count customization
Allows users to specify desired length (e.g., 800, 1200, 1500 words).
3. PDF download option
Enables users to download the generated description in PDF format.
4. Interactive Streamlit UI
Simple and user-friendly web interface for entering artifact name and word count.
5. Interesting historical fact during loading
Displays a random engaging historical fact while the AI generates the content.

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

