# Project Initialization and Planning Phase

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| Date | 20 February 2026 |
| Team ID | LTVIP2026TMIDS79258 |
| Project Name | Gemini Historical Artifact Description |
| Maximum Marks | 3 Marks |

**Define Problem Statements:**

There is no simple tool to upload an artifact image and instantly get its detailed description. This project solves that by building a web app using Streamlit and Google Gemini API to generate AI-based descriptions from images and user prompts.

Users often struggle to quickly understand information about historical artifacts from images. This project provides a web-based solution that uses Streamlit and Google Gemini API to generate instant AI-powered descriptions based on uploaded images and user prompts.

Fig: Problem Statement

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| **I am** | Describe customer with 3-4 key characteristics - who are they? | | Describe the customer and their attributes here |
| **I'm trying to** | List their outcome or "job" the care about - what are they trying to achieve? | | List the thing they are trying to achieve here |
| **but** | Describe what problems or barriers stand in the way – what bothers them most? | | Describe the problems or barriers that get in the way here |
| **because** | Enter the "root cause" of why the problem or barrier exists – what needs to be solved? | | Describe the reason the problems or barriers exist |
| **which makes me feel** | Describe the emotions from the customer's point of view – how does it impact them emotionally? | | Describe the emotions the result from experiencing the problems or barriers |

| PS | I am | I'm trying to | But | Because | Which makes me feel |
|---|---|---|---|---|---|
| | | | | | |

| PS-1 | A history student | Complete assignments on historical artifacts | Research takes too much time | Requires reading and organizing info | Stressed and slow |
| --- | --- | --- | --- | --- | --- |
| PS-2 | A museum curator | Prepare artifact descriptions | Content writing is repetitive | Needs structured accurate data | Frustrated |