

Project Design Phase

Problem – Solution Fit Template

Date	19 February 2026
Team ID	LTVIP2026TMIDS34956
Project Name	Gemini Historical Artifact Description App
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why.

Purpose:

The purpose of the Problem–Solution Fit is to validate that:

- A real and significant problem exists for the target users.
- The proposed AI-powered solution effectively solves that problem.
- The solution aligns with user behavior, constraints, and expectations.
- The application delivers measurable value to its users.

In this project, the goal is to ensure that the **Gemini Historical Artifact Description App** genuinely addresses the challenges faced by students, researchers, bloggers, and educators when creating structured historical content.

Template:

Strategic GC	1. CUSTOMER SEGMENT(S)	CS	6. CUSTOMER CONSTRAINTS	CC	5. AVAILABLE SOLUTIONS	AS
	<ul style="list-style-type: none"> • History students • Researchers • Museum curators • Bloggers • Content writers • Educators • Academic institutions 		<ul style="list-style-type: none"> • Limited time • Lack of research access • Limited academic writing skills • Internet dependency • Budget constraints 		<ul style="list-style-type: none"> • Manual research (books, Google search, 📚) • Wikipedia articles • Academic journals 📰 • Copywriting services • Other generic AI tools 💡 <p>Limitations:</p> <ul style="list-style-type: none"> • Time-consuming 🕒 • Not structured properly • Requires editing effort 	
Foothold EC / Problematic IC	2. JOBS-TO-BE-DONE / PROBLEMS	J&P	9. PROBLEM ROOT CAUSE	RC	9. PROBLEM ROOT CAUSE	BE
	<ul style="list-style-type: none"> • Generate structured historical blog content • Write academic descriptions quickly 🚀 • Prepare exhibition materials • Create educational content • Develop research drafts 		<ul style="list-style-type: none"> • Manual content creation is time-consuming • Requires research expertise 🌐 • Lack of structured output 📄 • Repetitive effort for different word count counts 		<ul style="list-style-type: none"> • Manual content creation is time-consuming • Requires research expertise 🌐 • Lack of structured output 📄 • Repetitive effort for different word count counts <p>Use the time:</p> <ul style="list-style-type: none"> • Assignment deadlines, Google search, 🌐 • Limited academic, soning 📰 • Internet dependency 🌐 • Budget constraints 	
TRIGGERS	3. TRIGGERS	TR	EM YOUR SOLUTION	RC	10. YOUR SOLUTION	SL
	<ul style="list-style-type: none"> • Assignment deadlines • Blog content creation need • Museum exhibition preparation • Research paper drafting • Academic projects 		<ul style="list-style-type: none"> • Search doogle for artifact (Stramilit) 🌐 • Cloud deployment • API integration 		<p>THE GEMIN HISTORICAL ARTIFACT DESCRIPTION APP</p> <ul style="list-style-type: none"> • AI-powered blog generation • Structured content format • Custom word count selection • Instant generation • Download feature • Scalable cloud architecture 	
EMOTIONS	4. EMOTIONS: BEFORE / AFTER	EM	8. CHANNELS OF BEHAVIOUR	CH		
	<p>Before:</p> <ul style="list-style-type: none"> • Confused • Pressured by deadlines • Lack of structured information • Time constraint stress <p>After:</p> <ul style="list-style-type: none"> • Confident • Productive • Satisfied • Efficient 		<ul style="list-style-type: none"> • Online: • Web application (Streamlit) 🌐 • Cloud deployment • API integration 			