Functional & Performance Testing Template

Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS34956
Project Name	Gemini Historical Artifact Description App
Maximum Marks	10 Marks

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation (Artifact Name)	Enter valid and invalid artifact names (empty, special characters, long text)	Valid input accepted; empty input shows warning	System shows warning for empty input and accepts valid input	Pass
FT-02	Word Count Validation	Enter word count within and outside allowed range	Accepts valid range; shows error for invalid range	Valid range accepted; invalid blocked	Pass
FT-03	Blog Generation Functionality	Enter topic & word count and click "Generate Description"	Structured blog content generated	Blog generated with headings & formatting	Pass
FT-04	API Connection Check	Verify API key and trigger blog generation	Gemini API responds successfully	API responded and content generated	Pass
FT-05	Download Feature	Generate blog and click download button	Text file downloads successfully	File downloaded without error	Pass
FT-06	Interesting Fact Feature	Click generate button	Random historical fact displayed during loading	Fact displayed properly	Pass
PT-01	Response Time Test	Measure time taken to generate blog	Content generated within acceptable time (<5 seconds depending on API)	Average 3–4 seconds	Pass
PT-02	Multiple Requests Test	Generate content multiple times consecutively	Application should not crash	App handled repeated requests smoothly	Pass
PT-03	Error Handling Test	Disconnect internet / provide invalid API key	Error message displayed gracefully	Proper error message shown	Pass