

Functional & Performance Testing Template
Model Performance Test

Field	Value
Date	18 February 2026
Team ID	LTVIP2026TMIDS91327
Project Name	Explore-with-AI-Custom-Itineraries-for-Your-Next-Journey
Maximum Marks	

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation (Destination)	1. Leave "Destination" field empty.2. Click "Plan My Adventure".3. Enter special characters/numbers only.	System should display a warning "Please enter a destination to start!" or handle invalid text gracefully.	Warning displayed for empty input; System accepted text input.	Pass
FT-02	Number Input Validation (Duration)	1. Attempt to set "Days" to 0 or negative.2. Attempt to set "Nights" to negative.	Input widgets should enforce minimum value of 1 for Days and 0 for Nights.	Widgets enforced minimum values correctly.	Pass
FT-03	Content Generation (Itinerary Creation)	1. Enter "Paris", 3 Days, 2 Nights.2. Select "Food & Dining".3. Click "Plan My Adventure".	System constructs a prompt and returns a structured 3-day itinerary focusing on food.	Correct, detailed itinerary generated with desired interests.	Pass
FT-04	API Connection Check	1. Ensure valid Google API Key is configured.2. Send a generation request.	System connects to Google Gemini API and retrieves a response without 401/403 errors.	API connected successfully; content retrieved.	Pass
PT-01	Response Time Test	1. Enter valid inputs for a 5-day trip.2. Start stopwatch	Content should be generated and displayed in	Average response time was ~3.5 seconds.	Pass

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		upon clicking "Plan".3. Stop when text appears.	under 5 seconds (using Gemini Flash).		
PT-02	API Speed / Latency Test	1. Request a long itinerary (e.g., 10 days).2. Observe generation speed vs short itinerary.	API should scale well; time increase should be linear and acceptable.	10-day itinerary took ~6 seconds (Acceptable).	Pass
PT-03	Stability / Repeated Request Test	1. Generate an itinerary.2. Immediately change inputs and generate again (3x repetition).	Application should not crash or hang. (Note: File upload is not applicable to this app).	App remained stable and responsive through multiple requests.	Pass