

**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      |

**Functional & Performance Testing Template**  
**Model Performance Test**

|              |                                   |   |  |   |             |
|--------------|-----------------------------------|---|--|---|-------------|
|              |                                   | upon clicking "Plan".3. Stop when text appears.   | under 5 seconds (using Gemini Flash).  |   |             |
| <b>PT-02</b> | 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).                | <b>Pass</b> |
| <b>PT-03</b> | 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. | <b>Pass</b> |