

Functional & Performance Testing Template

Model Performance Test

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| Date | 19 February 2026 |
| Team ID | LTVIP2026TMIDS63991 |
| Project Name | Explore with AI: Custom Itineraries for Your Next Journey |
| Maximum Marks | 5 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 (Destination, Preferences) | Enter valid destination (e.g., Paris) and leave field empty | Accepts valid input, shows warning for empty input | Valid inputs accepted; warning displayed for empty fields | Pass |
| FT-02 | Number Input Validation (Budget, Duration) | Enter budget within range (e.g., 1000–5000) and negative/invalid values | Accepts valid numbers; shows error for invalid/negative values | Valid numbers accepted; error shown for invalid input | Pass |
| FT-03 | Itinerary Generation | Fill all inputs and click “Generate Itinerary” | AI generates structured day-wise travel plan | Personalized itinerary generated successfully | Pass |
| FT-04 | API Connection Check | Use correct and incorrect API key | Valid key connects; invalid key shows authentication error | Valid key works; error displayed for invalid key | Pass |
| FT-05 | Prompt Structure Validation | Provide different themes (Adventure, Relaxation, Family Trip) | Output changes based on selected theme | AI output adapts correctly to theme | Pass |
| PT-01 | Response Time Test | Measure time after clicking “Generate” | Response generated within 3–5 seconds | Average response time: ~2.8–3.5 seconds | Pass |

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|-------|------------------------|--|--|----------------------------------|------|
| PT-02 | API Load Test | Trigger multiple requests consecutively | System handles multiple requests without crash | Minor delay observed, but stable | Pass |
| PT-03 | Large Input Handling | Enter long preference descriptions | System processes without crashing | Handled successfully | Pass |
| ET-01 | Error Handling Test | Disconnect internet and try generating itinerary | Proper error message displayed | “Connection Error” message shown | Pass |
| UI-01 | UI Responsiveness Test | Open app on different screen sizes | Layout adjusts properly | Responsive layout maintained | Pass |