

Functional & Performance Testing
Model Performance Test

Date	11 February 2026
Team ID	LTVIP2026TMIDS88106
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	4 Marks

Functional & Performance Testing

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
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