Functional & Performance Testing Template

Model Performance Test

Date	155 February 2026
Team ID	LTVIP2026TMIDS61777
Project Name	Gemini Pro Financial Decoder
Maximum Marks	

Test Scenarios & Results

FT-01	File Upload Validation	Upload valid CSV/XLSX file and try uploading unsupported file format	Valid file is accepted; unsupported format shows error message	System accepts valid files and shows warning for invalid formats	Pass
FT-02	Data Processing Validation	Upload financial file with required columns and one without required columns	System processes valid data and shows error for missing columns	Data loads correctly and validation works properly	Pass
FT-03	Dashboard Metrics Calculation	Upload financial file and check total sales, units sold, and average price	Metrics are calculated and displayed accurately	Metrics displayed correctly on dashboard	Pass
FT-04	AI Insight Generation	Upload file and click "Generate AI Insights"	Financial summary is generated using Gemini AI	AI-generated summary displayed correctly	Pass
FT-05	API Connection Check	Run application with valid API key	Application connects to Gemini API successfully	API response received successfully	Pass
FT-06	Invalid API Key Handling	Use incorrect API key and run application	System shows authentication or connection error	Error message displayed properly	Pass
PT-01	Response Time Test	Measure time taken to generate AI insights	Insights generated within a few seconds	Average response time within acceptable limits	Pass
PT-02	Multiple Requests Test	Generate AI insights multiple times consecutively	System handles repeated requests without crashing	Application remains stable during multiple requests	Pass