

Functional & Performance Testing Template

Model Performance Test

Date	30 june 2025
Team ID	LTVIP2025TMID32662
Project Name	Intelligent Healthcare assistant using IBM Granite
Maximum 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 (e.g., topic, job title)	Enter valid and invalid text in input fields	Valid inputs accepted, errors for invalid inputs	The page reloaded and displayed the expected error message correctly.	pass
FT-02	Number Input Validation (e.g., word count, size, rooms)	Enter numbers within and outside the valid range	Accepts valid values, shows error for out- of-range	The AI provided a well-formatted response with potential considerations related to the input symptoms.	pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	The AI correctly identified "Amoxicillin," the dosage "500mg," and the frequency "twice a day," and summarized it.	pass

FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	The AI provided a logical diet plan structured with the requested sections.	pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	The UI displayed the error: "Error: Could not connect to the AI service..." as expected.	pass
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	The server remained stable and responsive under simulated concurrent load. No crashes occurred.	pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	The application processed the large text input and the AI returned a valid response without any crashes.	pass

