

Functional & Performance Testing Template

Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID31916
Project Name	HealthAI: 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	Valid health topics accepted; error messages for special characters	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	Accepted 500-word count; rejected 0 and >1000 with validation prompts	pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Generated content matched health topic and format requirements	pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API responded with 200 OK, response within SLA	pass

<b>PT-01</b>	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Average generation time: 2.8 seconds	pass
<b>PT-02</b>	API Speed Test	Send multiple API calls at the same time	API should not slow down	All responses returned under 4 seconds despite load	pass
<b>PT-03</b>	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	Handled 10 PDF uploads with no crash or delay	pass