Functional & Performance Testing Template

Model Performance Test

Date	1 February 2026
Team ID	LTVIP2026TMIDS24884
Project Name	Heart Disease Analysis
Maximum Marks	

Test Scenarios & Results

c	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 patient names and ages in input fields	Valid inputs accepted, errors for invalid inputs	Names accepted only letters, age rejects negative or unrealistic numbers	Pass
FT-02	Number Input Validation (e.g., word count, size, rooms)	Enter numbers within and outside valid ranges (e.g., Cholesterol 100–300, BP 80–180)	Accepts valid values, shows error for out-of-range	All numeric inputs validated; out-of-range values show warning	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete patient data and click "Generate Report"	Correct content is generated based on input	Dashboard displays correct risk percentages and updated charts	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API returned predictions in under 2 seconds	Pass
PT-01	Response Time Test	Use a timer to measure dashboard/report generation	Should be under 3 seconds	Dashboard updates in ~2.3 seconds	Pass
PT-02	API Speed Test	Send multiple	API should not slow	API handled	Pass

		prediction requests simultaneously	down	5 concurrent requests with minimal delay	
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple CSV files of patient records and check processing	Should work smoothly without crashing	Multiple CSVs uploaded successfully; visualizations generated correctly	Pass