

Functional & Performance Testing Template
Model Performance Test

Date	28 June 2025
Team ID	LTVIP2025TMID41715
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	4 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 images accepted errors for invalid or corrupt files	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	Handling gracefully with warnings	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Diseases detected correctly in 9/10 test cases	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	Model loaded using MobileNer V2 with fine-tuned layers	Pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Average classification on time = 2.3 seconds	Pass

PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	Processed 10 images in ~11.5 seconds(~1.15 se/image)	Pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	Errors correctly shown for non-images types	Pass