Functional & Performance Testing Template

Model Performance Test

Date	28 june 2025
Team ID	LTVIP2025TMID42539
Project Name	Book Nest
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	Book Title Input Validation	Enter valid and invalid book titles in the search input	Valid inputs accepted, errors for invalid inputs	Valid titles searched successfully; invalid titles show error	pass
FT-02	Rating Input Validation	Enter ratings from 1 to 5 and test invalid inputs like -1 or 6	Accepts valid values, shows error for out-of-range	Correctly accepts 1-5; shows error for -1, 0, 6	pass
FT-03	Recommendation Generation	Provide complete inputs and click "Generate"	Recommend books based on preferences	Recommendations provided based on genre and rating	pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API authenticated and responded with book data	pass

		Measure time taken from input to result using a timer	Should be under 3 seconds	Average response time = 2.1 seconds	pass
PT-01	Response Time Test				
PT-02	Concurrent request handling	Send multiple recommendation requests simultaneously	API should not slow down	Handled 10 parallel requests without slowdown	pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	"Unable to connect. Please check your internet connection."	pass