

## Functional & Performance Testing Template

### Model Performance Test

Date	21 February 2025
Team ID	LTVIP2025TMID37895
Project Name	Measuring The Pulse Of Prosperity: An Index Of Economic Freedom Analysis
Maximum Marks	4

#### 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 inputs accepted; invalid inputs show proper error	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 outof-range	Valid numbers accepted; invalid inputs trigger validation error	pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	AI-generated economic analysis based on entered parameters	pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API responded with expected status	pass

				codes and output	
<b>PT-01</b>	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Average response time: 2.4 seconds	pass
<b>PT-02</b>	API Speed Test	Send multiple API calls at the same time	API should not slow down	Maintained speed under load	pass
<b>PT-03</b>	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	System handled multiple PDF uploads smoothly	pass