

Functional & Performance Testing Template

Model Performance Test

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| Date | 18 February 2026 |
| Team ID | LTVIP2026TMIDS66290 |
| Project Name | Gemini historical artifact description |
| Maximum Marks | 3 Marks |

Test Scenarios & Results

| Test Case ID | Scenario (What to test) | Test Steps (How to test) | Expected Result | Actual Result | Pass/Fail |
|--------------|-------------------------------|--|--|---------------|-----------|
| FT-01 | Recipe Topic Input Validation | Enter valid recipe topic and leave field empty | Valid input accepted, error shown for empty input | As Expected | Pass |
| FT-02 | Ingredient Input Validation | Enter valid ingredients and try empty/invalid inputs | Accepts valid input, shows warning for invalid input | As Expected | Pass |
| FT-03 | AI Recipe Generation | Enter recipe topic and click "Generate Recipe" | Structured recipe with title, ingredients, and steps generated | As Expected | Pass |
| FT-04 | Gemini API Connection Check | Trigger recipe generation with valid API key | API responds successfully and generates recipe | As Expected | Pass |
| FT-05 | Programming Joke Feature | Generate recipe and check joke display | Programming joke appears along with recipe | As Expected | Pass |
| PT-01 | Response Time Test | Measure time after clicking generate | Recipe generated within 3–5 seconds | Within Limit | Pass |
| PT-02 | Multiple Request Handling | Generate multiple recipes sequentially | Application handles requests without crash | Stable | Pass |

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|--------------|-----------------|---------------------------------|--|---------|------|
| PT-03 | Deployment Test | Access deployed app via browser | Application loads and works correctly online | Working | Pass |
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