**Functional & Performance Testing Template**

**Model Performance Test**

| Date | 18 February 2026 |
|---|---|
| Team ID | LTVIP2026TMIDS79575 |
| 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 |
| PT-03 | Deployment Test | Access deployed app via browser | Application loads and works correctly online | Working | Pass |