

Functional & Performance Testing Template

Model Performance Test

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| Date | 21 February 2025 |
| Team ID | LTVIP2026TMIDS72705 |
| Project Name | TransLingua – AI-Powered Multi-Language Translator |
| 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 | Text Input Validation | Enter valid text and leave input empty | Valid text is accepted; empty input shows validation message | System accepts valid input and shows warning for empty input | Pass |
| FT-02 | Language Selection Validation | Select valid source and target languages | System allows valid language selection | Language selection works correctly | Pass |
| FT-03 | Translation Generation | Enter text, select languages, click “Translate” | Translated output is generated using Gemini AI | Correct translation is generated | Pass |
| FT-04 | API Connection Check | Run application with valid API key | Application connects to Gemini API successfully | API response received successfully | Pass |

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|-------|--------------------------|--|--|---------------------------------------|------|
| FT-05 | Invalid API Key Handling | Use incorrect API key and run application | System shows authentication error | Error message displayed properly | Pass |
| PT-01 | Response Time Test | Measure time taken to generate translation | Translation generated within 3 seconds | Average response time under 3 seconds | Pass |
| PT-02 | Multiple Requests Test | Perform multiple translation requests sequentially | System handles requests without crashing | Application remains stable | Pass |