# **Functional & Performance Testing Template**

**Model Performance Test**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID31894 |
| Project Name | Health AI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks |  |

## **Test Scenarios & Results**

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| **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 symptoms/diseases in all input fields | Valid inputs accepted, errors for invalid inputs | Works as expected | ✅ Pass |
| **FT-02** | Number Input Validation | Input numbers outside expected range (e.g., in future tabs) | Accepts valid values, shows error for out-of-range | Not applicable in MVP | ⚠ N/A |
| **FT-03** | Content Generation (e.g., blog, resume, design idea) | Provide complete inputs and click "Generate" | Generates context-aware, medically relevant content | Satisfactory results | ✅ Pass |
| **FT-04** | API Connection Check | Check if API key is correct and model responds | Model loads successfully, responds to prompts | Successfully executed | ✅ Pass |
| **PT-01** | Response Time Test | Measure time from user query to output generation | Response generated in < 3 seconds | ~2.1 seconds average | ✅ Pass |
| **PT-02** | API Speed Test | Simulate multiple users querying simultaneously | API should not slow down or crashing | No lag observed | ✅ Pass |
| **PT-03** | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | Feature not active | ⚠ N/A |