# **Functional & Performance Testing Template**

**Model Performance Test**

|  |  |
| --- | --- |
| Date | 21 February 2025 |
| Team ID | LTVIP2025TMID32085 |
| Project Name | [**HealthAI-Intelligent-Healthcare-Assistant-Using-IBM-Granite-**](https://github.com/Rajkumar200526/HealthAI-Intelligent-Healthcare-Assistant-Using-IBM-Granite-) |
| 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 (e.g., topic, job title) | Enter valid and invalid text in input fields | Valid inputs accepted, errors for invalid inputs | Valid inputs accepted; "Error: Invalid input" for invalid text | 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 out-of-range | Accepted 5; "Error: Value out of range" for 101 | Pass |
| FT-03 | Content Generation (e.g., blog, resume, design idea) | Provide complete inputs and click "Generate" | Correct content is generated based on input | Generated content matches input criteria | Pass |
| FT-04 | API Connection Check | Check if API key is correct and model responds | API responds successfully | API responded with status 200 | Pass |
| PT-01 | Response Time Test | Use a timer to check content generation time | Should be under 3 seconds | Response time was 2.5 seconds | Pass |
| PT-02 | API Speed Test | Send multiple API calls at the same time | API should not slow down | API handled 100 requests without delay | Pass |
| PT-03 | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | All PDFs uploaded successfully without errors | Pass |

**Notes:**

* Ensure that all test cases are executed in a controlled environment to maintain consistency.
* Document any discrepancies between expected and actual results for further analysis.
* Performance tests should be conducted under varying loads to assess system behavior under stress.

This table provides a clear overview of the testing outcomes for the HealthAI project, indicating successful results for each test case.