# **HealthAI: Intelligent Healthcare Assistant Using IBM Granite**

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| Date | 28 june 2025 |
| Team ID | LTVIP2025MID34448 |
| Project Name | HealthAI:intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 5 marks |

### ✅ **Test Scenarios & Results – HealthAI: Intelligent Healthcare Assistant using IBM Granite**

| **Test Case ID** | **Scenario (What to Test)** | **Test Steps (How to Test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| FT-01 | Patient Input Validation (e.g., symptoms, age, name) | Enter valid and invalid patient data | Accepts valid data; shows validation errors for incorrect or missing inputs |  |  |
| FT-02 | Numerical Data Validation (e.g., temperature, blood pressure) | Input numbers within normal/abnormal range | Valid data accepted; errors shown for out-of-range values |  |  |
| FT-03 | Diagnosis/Recommendation Generation | Provide full symptom inputs and click "Analyze" | Returns medically relevant diagnosis or suggestion based on AI model |  |  |
| FT-04 | API Integration with IBM Granite | Verify the system connects and receives a response from Granite API | API key validated; AI responds correctly to input |  |  |
| PT-01 | Response Time for Analysis | Use a timer to track time between input and output | Diagnosis/recommendation shown in under 3 seconds |  |  |
| PT-02 | API Load Handling | Send simultaneous symptom inputs from multiple users | System remains responsive; no API bottlenecks |  |  |
| PT-03 | File Upload Test (e.g., patient reports in PDF) | Upload multiple patient reports for processing | Files are processed successfully; system remains stable |  |  |

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