**User Acceptance Testing (UAT) Template**

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| Date | 07 June 2025 |
| Team ID | LTVIP2025TMID60014 |
| Project Name | Health AI-Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks |  |

**Project Overview:**

Project Name: Health AI-Intelligent Healthcare Assistant Using IBM Granite

Project Description:

This project aims to develop an intelligent healthcare assistant that leverages IBM Granite foundation models to assist in early diagnosis, patient query handling, symptom analysis and health record summarization. The system integrates AI-powered chat, data visualization dashboards and predictive analysis to enhance patient care and streamline clinical workflows.

Project Version: v1.0.0

Testing Period: 20 May 2025 to 21 June 2025

**Testing Scope:**

* AI chatbot for symptom checking and patient queries
* Health data visualization dashboards
* Patient risk level prediction model
* User authentication and data privacy controls
* Integration with health record systems

**User stories/requirements to be tested:**

* As a patient, I want to input symptoms and get possible health conditions.
* As a doctor, I want to view patient summaries in a clear dashboard.
* As an admin, I want to control user access and monitor system activity.
* As a user, I want to receive personalized health alerts and recommendations.

**Testing Environment:**

URL/Location: <http://healthai-assistant.ibmcloud.com>

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | Verify that the AI assistant responds accurately to symptom input from user | 1.Open health AI application  2.Login as patient  3.Enter symptoms in chat interface | AI assistant should return a probable diagnosis with suggestions | AI assistant returned “possible viral infection, recommended rest. Consult doctor if symptoms persist”. | Pass |
| TC-002 | Validate patient risk score generation based on input vitals. | 1.Open Health AI2.Enter patient vitals: BP, sugar.3.Submit the data for analysis | Risk score should be generated and displayed accurately. | System generated “medium risk” based on vitals | Pass |

**Bug Tracking:**

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| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to reproduce** | **severity** | **status** | **Additional feedback** |
| BG-001 | Chatbot returns incomplete responses for multi-symptom inputs | 1.Login to health AI as patient  2.Enter symptoms.  3.Observe chatbot reply | Medium | In progress | Both handles single symptoms well, but skips information when multiple inputs are given |
| BG--002 | Risk prediction score not updating after new vitals entry | 1.Go to vitals section2.Update patient vitals3.Check risk score panel | High | Open | Risk score remains unchanged until page refresh. Real-time update is expected |

**Sign-off:**

Tester Name: M. Pavithra

Date: 21 July 2025

Signature: M. Pavithra

**Notes:**

* Ensure that all test cases cover both positive and negative scenarios.
* Encourage testers to provide detailed feedback, including any suggestions for improvement.
* Bug tracking should include details such as severity, status, and steps to reproduce.
* Obtain sign-off from both the project manager and product owner before proceeding with deployment.