**User Acceptance Testing (UAT)**

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| --- | --- |
| Date | 19/05/2025 – 30/06/2025 |
| Team ID | LTVIP2025TMID31711 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks |  |

**Project Overview:**

* **Project Name**: HealthAI – Intelligent Healthcare Assistant
* **Project Description**: A Streamlit-based healthcare web app using IBM Watsonx AI for symptom diagnosis, treatment suggestions, and health data analytics.
* **Project Version**: 1.0
* **Testing Period**: 22 June 2025 to 27 June 2025

**Testing Scope:**

* ✅ Health Profile Input and Save
* ✅ Symptom Checker and Diagnosis Generation
* ✅ AI Treatment Suggestion via IBM Watsonx
* ✅ Chronic Disease Management (Vitals Logging)
* ✅ Analytics Dashboard and Health Trends

**User Stories to be Tested**:

* USN-1: Save profile before accessing HealthAI
* USN-4: Enter symptoms and get diagnosis
* USN-5: Receive treatment advice
* USN-6: Log health data
* USN-7: View analytics on the dashboard

**Testing Environment:**

* **URL/Location**: [https://healthassistant-app.streamlit.app](https://healthassistant-app.streamlit.app/)
* **Credentials**: Not Required (Profile input replaces registration)

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | Profile Save Function | 1. Open app2. Fill profile3. Click "Save" | Profile saved, app sections unlocked | Works as expected | ✅ Pass |
| TC-002 | Symptom Checker | 1. Enter symptoms2. Click "Check Symptoms" | Disease diagnosis shown by AI | AI suggests correct diagnosis | ✅ Pass |
| TC-003 | Treatment Suggestion | 1. Enter condition2. Click "Generate Plan" | Personalized treatment advice shown | Watsonx returns full plan | ✅ Pass |
| TC-004 | Chronic Logger | 1. Input vitals2. Submit data | Data appears in table | Glucose & heart rate logged | ✅ Pass |
| TC-005 | Dashboard Charting | 1. Select date2. View graph | Graph updates accurately | Trend lines visible | ✅ Pass |

**Bug Tracking:**

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| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| BG-001 | Minor alignment issue in dashboard on mobile | 1. Open app on phone  2. Navigate to Dashboard | Low | Open | UI bug, doesn’t affect usage |
| BG-002 | BMI not recalculated on profile edit | 1. Edit weight  2. Save profile | Medium | In Progress | Consider dynamic BMI update |

**Sign-off:**

**Tester Name**: Supriya Reddy

**Date**: 27 June 2025

**Signature**: *Boreddy Supriya Reddy*

**Notes**

* All major functionalities passed both positive and negative scenarios.
* The IBM Watsonx response was consistent and accurate under all conditions.
* Minor UI issues were noted and documented.
* Ready for final deployment post manager sign-off.