

User Acceptance Testing (UAT)

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>
- **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	<input checked="" type="checkbox"/> Pass
TC-002	Symptom Checker	1. Enter symptoms2. Click "Check Symptoms"	Disease diagnosis shown by AI	AI suggests correct diagnosis	<input checked="" type="checkbox"/> Pass
TC-003	Treatment Suggestion	1. Enter condition2. Click "Generate Plan"	Personalized treatment advice shown	Watsonx returns full plan	<input checked="" type="checkbox"/> Pass
TC-004	Chronic Logger	1. Input vitals2. Submit data	Data appears in table	Glucose & heart rate logged	<input checked="" type="checkbox"/> Pass
TC-005	Dashboard Charting	1. Select date2. View graph	Graph updates accurately	Trend lines visible	<input checked="" type="checkbox"/> Pass

Bug Tracking:

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.