

User Acceptance Testing (UAT) – HealthAI

Team Information

Date	30 June 2025
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Team ID	LTVIP2025TMID33300

Objective

The objective of this UAT document is to validate whether the HealthAI platform functions as expected from the end-user's perspective. The focus is to ensure that all key features — including login, chatbot interaction, symptom submission, disease prediction, and personalized treatment suggestions — operate reliably, accurately, and within performance standards.

Project Overview

Scenario-Based Case Study

Ravi, a 35-year-old working professional, logs into the HealthAI platform. He uses the chatbot to ask general health questions and then enters his symptoms: "fatigue and mild fever." The system analyzes his symptoms and predicts a likely condition (e.g., viral infection) with a confidence score. Based on Ravi's age and gender, HealthAI suggests basic treatment advice. He saves the result and logs out securely.

User Acceptance Test Scenarios

The following test cases are used to evaluate the system based on the scenario described above:

Test Scenario	Expected Outcome	Actual Outcome	Tested By	Status
User Login	Login with correct and incorrect credentials	Successful	Ankitha	Pass
General Chatbot Interaction	Ask health-related questions like "What is dengue"	As expected	Rishitha	Pass

Symptom Input Form	Enter symptoms like "cough, headache"	Sucessful	Vishnu Priya	Pass
Disease Prediction Accuracy	Test if correct prediction is returned for known symptoms	Functional	Ankitha	Pass
Personalized Treatment Suggestion	Admin verifies and approves owners	Verified and approved	Rishitha	Pass
Load Handling Completion	Simulate 10 users chatting simultaneously	System remains stable	Vishnu Priya	Pass

Conclusion

HealthAI successfully passed all User Acceptance Testing scenarios. The platform is functional, responsive, and provides accurate and useful healthcare information in real time. It is ready for prototyping or pilot deployment. Tester Names:

Tester Names

- Ankitha Chigirala
- Rishitha Akula
- Kota Vishnupriya