Solution Requirements (Functional & Non-functional)

Date: 26 June 2025

Team ID: LTVIP2025TMID32616

Project Name: HealthAI: Intelligent Healthcare Assistant

Maximum Marks: 2 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Interaction	Patient Chat, Health Analytics
FR-2	AI-based Assistance	Disease Prediction, Treatment Plan Generation
FR-3	Data Visualization	Display of health metrics using interactive charts
FR-4	Session Management	Temporary stateful interactions for each user session

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive Streamlit interface for easy interaction.
NFR-2	Security	Secure API key handling using environment variables.
NFR-3	Reliability	Stable integration with IBM Watson ML APIs.
NFR-4	Performance	Fast response through local processing and minimal dependencies.
NFR-5	Availability	Application available locally; future-ready for cloud deployment.
NFR-6	Scalability	Scalable through IBM Cloud Foundry or containerization.