Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Risk Factor Dashboard	Displays risk factors like cholesterol, blood pressure, BMI, and lifestyle habits. Uses dynamic filters for drill-down anāysis.
FR-2	Risk Scoring Model	Calculates heart disease risk scores using machine learning models and visualizes risk categories (low, moderate, high).
FR-3	Trend & History Dashboard	Shows historical trends of heart health metrics (e.g., cholesterol levels over time) to track progress.
FR-4	Recommendations & Tips	Provides personalized recommendations to reduce heart disease risk based on user data anālysis.
FR-5	Comparative Analysis Dashboard	Allows users to compare their heart health data against averages for age, sex, or region.
FR-6	Alerts & Notifications	Sends real-time alerts and reminders for important health checkups or risky conditions.
FR-6	Story-Based Dashboard Navigation	Sequential story view explaining Apple's performance journey with narrative captioñs.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

Non-Functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Risk Factor Dashboard	The system must process user inputs and display results within 3—5 seconds.
NFR-2	Risk Scoring Model	The system should handle an increasing volume of health data efficiently.
NFR-3	Device Responsiveness	Should provide an optimal viewing and interactive experience on desktops, tablets, and s.
NFR-4	Performance	Dashboards must be easy to interpret, with a clear and user-friendly design.
NFR-5	Usability	Use a color palette and font style suitable for all users, including those with visual impairments.
NFR-6	Data Accuracy	Analyzed health insights must be accurate and verified against source data.
NFR-6	Alerts & Notifications	Sends real-time alerts and reminders for important health checkups or risky conditions.