

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

Date	03 October 2022
Team ID	PNT2022TMID53476
Project Name	Visualizing And Predicting Heart Diseases With An Interactive Dash Board
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Patient details	Collection of patient details through HTML form.
FR-2	Analysis of patient data	Analysing and Visualizing the relationship between various features of patient data.
FR-3	Feature Selection	Selecting the most relevant features and getting rid of noise in data.
FR-4	Prediction	Displaying the result of analysis.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Effective Heart Disease Prediction System estimates the chance that a patient will get heart disease. It allows for the establishment of valuable knowledge, such as connections between patterns and medical aspects associated to heart disease.
NFR-2	Security	When it comes to health-related issues, we should offer greater security services. While developing the software or application, there shouldn't be any errors, lagging, or bases of data for patient profiles.
NFR-3	Reliability	The system must be reliable and strong in giving the functionalities. Predictions made by the system are more than 90% accurate.
NFR-4	Performance	The relaying performance needs to be quick. To enable improved accessibility and make a significant advancement in the provision of high-quality, reasonably priced healthcare, this prediction system should be made available on the cloud.
NFR-5	Availability	The Availability of getting used to this software or product design is by accessing IBM cognos Analytics and IBM cloud.