

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Team ID	PNT2022TMID41082
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Functional Requirements :

Following are the functional requirements of the proposed solution.

FR.No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	User Registration using Email
FR-2	User Confirmation	User Confirmation through Email
FR-3	Visualizing Data	Visualize the presence of heart disease through Dashboard created using IBM Cognos Analytics
FR-4	Generation Report	Users have the access to view their reports

Non-Functional Requirements :

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

FR.No.	Non-Functional Requirement	Description
NFR-1	Usability	Simple User Interface with easy access to contents User friendly features
NFR-2	Security	Maintain a secondary/backup dataset User reports are kept safely
NFR-3	Reliability	Must work without error or minimum error

NFR-4	Performance	It is affected by the implementing algorithm. Depending on the error metrics we have to choose an algorithm with high response time.
NFR-5	Availability	Need to be available for the user 24 x 7 without interruptions Should identify all type of heart disease
NFR-6	Scalability	Should handle a high number of request/users at same time and large datasets.