

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

Date	16 October 2022
Team ID	PNT2022TMID50017
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	User Registration	Enables User to register the smart watch through smartwatch id with relevant application
FR-2	User Confirmation	Once after registration, the user get conformation from the app and
FR-3	Data preparation	After user login in to the health monitoring application then the Heart rate data can be obtained as csv file
FR-4	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created in IBM Cognos Analytics
FR-5	Generating Report	User can view health reports and can make decisions accordingly.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application will have a simple and user-friendly graphical interface. Users will be able to understand and use all the features of the application easily.
NFR-2	Security	For Security of application, data replication technique is used. So that all the important data should be kept safe. In case of crash, the system should be able to backup and recover the data.
NFR-3	Reliability	The application must be reliable and strong in giving the functionalities.
NFR-4	Performance	Performance of the application depends on the response time and the speed of the data submission. The application is direct and faster which depends on the efficiency of implemented algorithm.
NFR-5	Availability	The application will be available 24x7 for users without any interruption.
NFR-6	Scalability	The application can withstand increase in number of users and able to develop higher versions in future.