

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

Date	11 October 2022
Team ID	PNT2022TMID53318
Project Name	Visualizing and Predicting Heart Diseases with and Interactive Dashboard
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 make registration for the application through Gmail.
FR-2	User Confirmation	Once after registration, the user will get confirmation via E-mail.
FR-3	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created using IBM Cognos Analytics.
FR-4	Generating Report	User can view his/her health report and can make decisions accordingly.

Non-functional Requirements:

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

NFR 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. Any action has to be performed with just a few clicks.
NFR-2	Security	For security of the application the technique known as database replication should be 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 has to be consistent at every scenario and has to work without failure in any environment.
NFR-4	Performance	Performance of the application depends on the response time and the speed of the data submission. The response time of the application is direct and faster which depends on the efficiency of implemented algorithm.
NFR-5	Availability	The application has to be available 24 x 7 for users without any interruption.
NFR-6	Scalability	The application can withstand the increase in the Number of users and has to be able to develop higher versions.