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

Date	13 November 2022
Team ID	PNT2022TMID21205
Project Name	Visualizing and Predicting Heart Diseases with an 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 the user to make registration for using the application.
FR-2	**User Confirmation**	During registration, the user will get confirmation mail for authentication purpose.
FR-3	**Visualizing Data**	User can visualize the records on heart disease through the Dashboard created using IBM Cognos Analytics.
FR-4	**Generating Report**	User can view the health report and can come to an conclusion.

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**	Security of the application should be higher as it handles user data. For this database replication technique should be used as the important data can be kept safe. So that in case of crash, the system can be able to backup and recover the data.
NFR-3	**Reliability**	The application has to be reliable and consistent at every situation and has to run without failure.

NFR-4	**Performance**	Performance of the application depends on the response time and the speed of the calculation on data. The calculation time of the application depends on the efficiency of algorithm used.
NFR-5	**Availability**	The application should to be available 24 x 7 for users without any kind of interruption.
NFR-6	**Scalability**	The application can withstand in increase of no. of users and has to be able to upgrade to higher versions.