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

Date	03October 2022
Team ID	PNT2022TMID13634
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	The system allows users to create an account and login.
FR-2	User confirmation	Confirmation is done using email and with OTP.
FR-3	Load Dataset	Dataset is loaded from Kaggle.
FR-4	Remove Dataset	To remove inappropriate datasets and code.
FR-5	Analysis	Exploration and visualization of data in IBM Cognos.
FR-6	Disease Prediction	The system allows the users to predict heart disease.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Effectively predicts if the patient suffers from heart disease by the input values from the patient's health report.
NFR-2	**Security**	The best suitable approach for heart disease prediction with providing security to health dataset.
NFR-3	**Reliability**	The structure must be reliable and strong in giving the functionalities. The movements must be made unmistakable by the structure when a customer has revealed a couple of enhancements.
NFR-4	**Performance**	The framework will be utilized by numerous representatives all the while. Since the system will be encouraged on a single web server with a lone database server outside of anyone's ability to see, execution transforms into a significant concern.
NFR-5	**Availability**	Availability of services is essential for those who have highly disease affected patients.
NFR-6	**Scalability**	Scalable framework that uses healthcare data to predict the heart diseases based on attributes.