

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

Date	14 October 2022
Team ID	PPNT2022TMID40507
Project Name	Project - 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 Signup	Signup through Form . Signup through Gmail.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	User Login	Login through Form.
FR-4	Data collection	User(patient) uploads the data Admin uploads the data to train the machine.
FR-5	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created using IBM Cognos Analytics.
FR-6	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.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application will have an easy-to-use graphical user interface. Users will find it simple to comprehend and utilize all the capabilities of the application. Any activity must be carried out with only a few clicks.
NFR-2	Security	The technique known as database replication should be utilised for the application's security to ensure the safety of all crucial data. In the event of a crash, the system to protect and restore the data.
NFR-3	Reliability	The structure must provide the functionality with strength and dependability. The Programmer's advancements must also include Test Designer and Project Pioneer roles.
NFR-4	Performance	When various users would employ the entire structure at once, the structure shouldn't give in.

		Every one of its users should be able to access it quickly.
NFR-5	Availability	The user experience must be uninterrupted 24 hours a day, 7 days a week, by the application.
NFR-6	Scalability	The application must be able to handle a rise in the number of users and generate higher versions.