

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

Date	17 October 2022
Team ID	PNT2022TMID30634
Project Name	Visualising and predicting heart disease 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	Registration through Form. Registration through Gmail. Registration through LinkedIn.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	User Verification	Verification through CAPTCHA Verification through I'm not a robot.
FR-4	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created using IBM Cognos Analytics.
FR-5	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 graphical user interface for the application will be straightforward and user-friendly. The application's features will be easy to comprehend and use for users. Only a few clicks are required to complete any action.
NFR-2	Security	We should offer more security services when it comes to health issues. While working on the software or product, there shouldn't be any errors or missing data from a patient's profile. Even, The system ought to be able to back up and retrieve the data in the event of a crash.
NFR-3	Reliability	The measure of your product's test scores' stability or consistency is known as reliability. The application must function flawlessly in any environment and must be consistent in every scenario.

NFR-4	Performance	Relaying should be performed quickly.This prediction system should be made available in the cloud to make it easier to use and to set a new standard for affordable, high-quality healthcare.
NFR-5	Availability	The application has to be available 24 x 7 for users without any interruption.
NFR-6	Scalability	It is determined by the number of people who maintain the software or system based on its performance, such as workflow, efficiency increase or decrease, response time, etc. Maintenance, checking for software updates, and fixing server errors can all be measures of its scalability.This identifies a product of high quality.