

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

Date	17 October 2022
Team ID	PNT2022TMID32881
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	4 Marks

Functional Requirements:

Following are the required functional requirements for the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Cognos Account Registration.	Registration through Cognos site.
FR-2	User account Confirmation	Confirmation via email
FR-3	Check treatment options	Display cost of the required treatments
FR-4	Check risk factors	Display tips on leading a healthy lifestyle Display the alternative choices for unhealthy lifestyle
FR-5	Use prediction tool	Enter details and wait till results are shown, and then display the dashboard.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The website will utilise the user interface for navigation purposes. The process of finding out the results will be easier.
NFR-2	Security	SHA are used making the website very safe for use. The website will be protected against SQL injection, DDoS attacks.
NFR-3	Reliability	The tool will give exact results most of the time.
NFR-4	Performance	The website will be optimized. which includes smooth and hassle-free experience for the user.
NFR-5	Availability	The tool will be available to use for the users.
NFR-6	Scalability	The system will be able to support a lot of users at the same time with optimal performance and speed.