

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

Date	16 October 2022
Team ID	PNT2022TMID39416
Project Name	Visualizing 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	User will be Register the application via email
FR-2	User Confirmation	User gets the confirmation mail via email, once they successfully registered
FR-3	Visualizing data	User can visualize the trends in the heart disease analysis through Dashboard created using Cognos Analytics.
FR-4	Analyzing data	User can analyze the data present in the Dashboard
FR-5	Generate Report	User can view his/her report through analysis and take futher steps accordingly.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This is an user friendly application and simple to use. This shows graphical interface which is very easy to understand visually. User can see relationship between various data with just few clicks.
NFR-2	Security	For security of the application database replication and duplication should be used. For instance if the system may not work we can easily backup and recover the data. Personal details of user cannot be shared anymore.
NFR-3	Reliability	The application will give exact information. It shows exact relationship between data during visualization.
NFR-4	Performance	Performance of the application depends upon the response time of the data submission which is depends on the efficiency of implemented algorithm.
NFR-5	Availability	The application should be available 24x7 for users without any interruption.

NFR-6	Scalability	The application achieves scalability, because it can withstand when no of data is increased. We can upload many dataset in the sametime.
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