





Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Team ID	PNT2022TMID49153
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard.







Functional Requirements :

Following are the functional requirements of the proposed solution.

S.no.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
1.	 User Registration	Registrations can be done using Email
2.	 User Confirmation	Registration Confirmation can be sent through E-mail.
3.	 Visualizing Data	Visualize the presence of heart disease through Dashboard created using IBM Cognos Analytics.
4.	 Generation Report	View and generate report.

Non-Functional Requirements :

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

S.no.	Non-Functional Requirement	Description
1.	 <p>Usability</p>	Simple User Interface with easy understanding.
2.	 <p>Security</p>	Maintain a secondary/backup dataset User reports are kept safely and remove false data set.
3.	 <p>Reliability</p>	Must work without error or minimum error and able to work with various data set
4.	 <p>Performance</p>	Depending on the error metrics we have to choose an algorithm with high response time.
5.	 <p>Availability</p>	It is based on the IBM cognos analytics so it should be available to all time.
6.	 <p>Scalability</p>	Should handle a high number of request at same time and large datasets.