

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

Date	28 October 2022
Team ID	PNT2022TMID40157
Project Name	Visualising and Prediction of 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 Staff at Reception Registration through Hospital's official website Registration through Relatives who works in hospital
FR-2	User Confirmation	Confirmation done in physical state by the receptionist Confirmation via Email Confirmation via OTP
FR-3	Booking Slots	Finding the slots of dates in website and in reception Selecting the slots of dates and fixing Proceeding to the payment gateway Choosing the desired gateway to make payment Receiving and downloading the invoice for next steps
FR-4	Lab Test	Taking the invoice to the desired location ( laboratory ) Giving sample to the technician as doctor prescribed Getting the result of the test from the lab for next steps
FR-5	Doctor Consultation	Visiting the Doctor regarding the next step If positive doctor will ask to go under treatment If negative patient is set free
FR-6	Completion of treatment	Undergoing treatment as per doctor's advice Paying and clearing all the bills before discharge Getting the discharge summary

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Usability is a non-functional requirement, because in its essence it doesn't specify parts of the system functionality, only how that functionality is to be perceived by the user, for instance how easy it must be to learn and how efficient it must be for carrying out user tasks
NFR-2	<b>Security</b>	Non-functional requirements or NFRs are a set of specifications that describe the system's operation capabilities and constraints and attempt to improve its functionality. These are basically the requirements that outline how well it will operate

		including things like speed, security, reliability, data integrity, etc.
NFR-3	<b>Reliability</b>	Reliability is the extent to which the software system consistently performs the specified functions without failure. ELICITATION: Reliability requirements address the user concern for the system's immunity to failure
NFR-4	<b>Performance</b>	Below are the product's non-functional requirements: Performance: The website's load time should not be more than one second for users. Reliability: Applicants can access their resume 98% of the time without failure. Availability: Employers can post jobs on the website throughout the week at any time during the day.
NFR-5	<b>Availability</b>	Availability describes how likely the system is accessible to a user at a given point in time. While it can be expressed as an expected percentage of successful requests, you may also define it as a percentage of time the system is accessible for operation during some time period
NFR-6	<b>Scalability</b>	Scalability is the ability of the application to handle an increase in workload without performance degradation, or its ability to quickly enlarge