

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

Date	25 October 2022
Team ID	PNT2022TMID48286
Project Name	Analytics For Hospitals -Healthcare Data
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	Collect data	measuring and analyzing different types of information using a set of standard validated techniques. The main objective of data collection is to gather information-rich and reliable data
FR-2	Data Cleaning and Wrangling	Data cleaning focuses on removing erroneous data from your data set. In contrast, data-wrangling focuses on changing the data format by translating "raw" data into a more usable form
FR-3	Creating data model	A Data Model is a data abstraction model that organizes different elements of data and standardizes the way they relate to one another and to the properties of real-world entities
FR-4	Prediction and Analysis	.statistical algorithms and machine learning techniques to identifv the likelihood of future outcomes based on

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The project must be easy to use. The user needs to have a good experience while working with the interface.
NFR-2	Security	Every user can access the website only if they possess the password. The database is secured with encryption techniques which provides high levels of security
NFR-3	Reliability	The project must have minimal degree of failure under normal usage and how often does the user get access to this work
NFR-4	Performance	The project must respond quickly to the user's actions or even if the user has to wait the waiting period must be short.
NFR-5	Availability	The project is platform independent. It runs perfectly on almost every platform.
NFR-6	Scalability	The project allows multiple users to handle the data at the same time. It is highly scalable since adding features and making advancements in the website is uncomplicated.