

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	06 October 2022
Team ID	PNT2022TMID42265
Project Name	Early Detection of Chronic Kidney Disease Using Machine Learning
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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Requirements	Sign up, view certain content, recalculate data using a specific algorithm, and other functions
FR-4	Business Requirements	An Application allowing potential customers to browse through the company's product Catalogue and to purchase products.
FR-5	User Authentication	Challenges the user to validate credentials (for example, through Passwords, Facial Recognition etc.)
FR-6	User Authorization	Once a Request with Authorization is received, the Server can validate the credentials and can let you access the resources.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	When an application is usable, users can easily navigate its interface, With high usability, users can easily determine what a feature is and what it can do.
NFR-2	Security	To protect sensitive data & secure databases to store patients' medical records. The security on their databases may include firewalls to prevent unauthorized access
NFR-3	Reliability	You can check the percentage of the probability of failure, or failure rate, to determine the reliability of a system. If the percentage is higher, the system is likely to function normally after substantial use.
NFR-4	Performance	When a device performs well, it means that the features of a system are functioning well based on what a developer predicted.
NFR-5	Availability	Describes how likely the system is accessible for a user at a given point in time.
NFR-6	Scalability	Describes the ability to appropriately handle increasing (and decreasing) workloads