

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	30 October 2022
Team ID	PNT2022TMID07957
Project Name	ANALYTICS FOR HOSPITALS' HEALTH-CARE 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	Registration Process of SRS (Software Requirements Specification)	Adding Patients: The Hospital Management enables the staff at the front desk to include new patients in the system.
FR-2	Check Out of SRS:	Deleting Patient ID: The staff in the administration section of the ward can delete the patient ID from the system when the patient checkout from the hospital.
FR-3	Report Generation of SRS:	Information of the Patient: The Hospital Management System generates a report on every patient regarding various information like patients name, Phone number, bed number, the doctor's name whom its assigns, ward name, and more.
FR-4	Database of SRS:	Mandatory Patient Information: Every patient has some necessary data like phone number, their first and last name, personal health number, postal code, country, address, city, 'patient's ID number, etc.

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Security	<ul style="list-style-type: none">●Patient Identification: The system needs the patient to recognize herself or himself using the phone.● Logon ID: Any users who make use of the system need to hold a Logon ID and password.● Modifications: Any modifications like insert, delete, update, etc. for the database can be synchronized quickly and executed only by the ward administrator.
NFR-2	Performance	<ul style="list-style-type: none">●Response Time: The system provides acknowledgment in just one second once the 'patient's information is checked.● Capacity: The system needs to support at least 1000 people at once.
NFR-3	Maintainability	<ul style="list-style-type: none">● Back-Up: The system offers efficiency for data backup.● Errors: The system will track every mistake as well as keep a log of it.
NFR-4	Reliability	<ul style="list-style-type: none">● Availability: The system is available all the time.