

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	14 October 2022
Team ID	PNT2022TMID28238
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	User Registration	Registration through Application form
FR-2	Use Confirmation	Confirmation via OTP
FR-3	Database	Every patient has some necessary data like phone number, first and lastname, personal health number, country, address, city, patient's ID number, etc....
FR-4	Report Generation	The Hospital Management System generates a report on every patient regarding various information like patients name, phone number, room number, the doctor's name, and more. The Hospital Management system also helps in generating reports on the availability of the bed regarding information like bed numbers unoccupied or occupied, ward name, and more.
FR-5	Check Out	The staff in the administration section of the ward can check the patient's ID

		from the system and delete the patient's ID from the system when the patient check out from the hospital.
FR-6	<b>Adding Patients</b>	The Hospital Management enables the staff at the front desk to include new patients in the system.

## Non-functional Requirements:

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

<b>FR No.</b>	<b>Non-functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	The effectiveness, efficiency and satisfaction with which specific users can achieve a specific set of tasks in a particular environment.
NFR-2	<b>Security</b>	This process of protecting data from unauthorized access and data corruption throughout its lifecycle.
NFR-3	<b>Reliability</b>	A highly reliable system has a lower risk of errors and process failures that can cause patients harm.
NFR-4	<b>Performance</b>	Performance measurements include: <ul style="list-style-type: none"> <li>➤ Quality and efficiency of patient care.</li> <li>➤ Cost of healthcare services.</li> <li>➤ Disparities in performance</li> <li>➤ Care outcomes.</li> </ul>
NFR-5	<b>Availability</b>	Inpatient, Outpatient, Pharmacy, and Enrollment
NFR-6	<b>Scalability</b>	The ability of a health intervention shown to be effective on a small scale and under controlled conditions to be expanded under real world

		condition to reach a greater proportion of the eligible population.
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