

Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID40633
Project Name	ANALYTICS FOR HOSPITAL HEALTH CARE
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	Appointments	<ul style="list-style-type: none">➤ Recurrent appointments and scheduling the available time slots in a regular basis.➤ Showing the number of appointments on given day.➤ After sign in asking for a ID and phone number to avoid any issues.➤ Generating appointment.➤ Supporting group appointments and automatically creating a billing charge for completed appointments.➤ Appointment Status:<ul style="list-style-type: none">a. Pendingb. Confirmedc. Cancelled; No Rescheduled. Cancelled; Reschedulee. No Showf. Completed
FR-2	Clinical Care	<ul style="list-style-type: none">➤ The admission of the patient must be examined properly and patients who comes in a critical position should be given immediate treatment.➤ Enhanced and improved reliability on reporting the data.➤ Access medication history from external sources (ex. Surescripts).➤ Predict the length of stay of inpatients.

FR-3	Patient Records	<ul style="list-style-type: none"> ➤ A Proper record or documentations need to be maintained regarding the patients who all consulted and detailed analysis of their health details. ➤ It should be easily accessible when required. ➤ Accessible as Standalone function, as well as easily accessible from Progress Note and Evaluation activities. ➤ Digital records will be more efficient and time saving.
FR-4	Bed requirements	<ul style="list-style-type: none"> ➤ Analyzing and monitoring of beds which are required are the most important task. ➤ Using flawless systems for accurately tracking the availability of beds.
FR-5	Providing insights of dataset	<ul style="list-style-type: none"> ➤ Raw data collection and sharing of data and systems are essential factors in hospital management. ➤ According to these data in appropriate measures can be taken. ➤ Providing data set without human error.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">➤ Usable systems are straightforward to use by as many people as possible, both in case of either end users or administrators to view the hospital records when needed.
NFR-2	Security	Patient identification : <ul style="list-style-type: none">➤ To recognize and analyze the patient perfectly.
NFR-3	Reliability	<ul style="list-style-type: none">➤ Understanding the current trend and working on to it to solve the problem in an efficient manner.➤ Being software as a service, HMS is highly resilient to any technology disruptions, downtime, or crashes experienced by other technology systems.
NFR-4	Performance	Response time: <ul style="list-style-type: none">➤ Providing acknowledgment in minimal time about the patient information. Comfortability: <ul style="list-style-type: none">➤ To ensure that the guidelines and accessibilities are followed.
NFR-5	Availability	<ul style="list-style-type: none">➤ Better coordination with the hospital management to provide all its resources accessible when needed.➤ Accessibility of all medical facilities.
NFR-6	Scalability	<ul style="list-style-type: none">➤ Make sure that the work is done in more efficient way with the appropriate resources.➤ Make complex decisions understandable with proper data.