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

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Team ID	NM2023TMID17066
Project Name	Estimation and Prediction of Hospitalization and Medical Care Costs

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 Phone
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Collection	Solutions should be able to gather patient information from multiple sources like medical records,etc. Data should be collected following protocols and equipment with consents.
FR-4	Data Preprocessing and Analyzing	Data should be reviewed to identify pattern, trends that can impact on medical costs. Statistical and machine learning techniques can be used to identify cost predictors.
FR-5	Visualization	The solution should display projected and anticipated hospitalization and medical care expenses. Graphs and charts are useful for presenting estimated and predicted costs.
FR-6	Reporting	It must be produced to track hospitalisation and medical care costs for different patient type. Reports must provide an overview of hospital and medical care costs.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system should continue to be simple to use, with a user interface that is easy to understand and user-friendly instructions.
NFR-2	**Security**	To protect sensitive patient data and guarantee adherence to privacy requirements, the system should be developed with the necessary security measures.
NFR-3	**Reliability**	The system must be able to consistently and error-freely produce accurate estimations and predictions.

NFR-4	**Performance**	When faced with challenging circumstances, such as a large patient volume or an emergency, the system must be able to retain its performance and accuracy.
NFR-5	**Availability**	It should be achieved by Reliable hardware, software, failover, and load balancing ensure high availability.
NFR-6	**Scalability**	The system should be able to handle a lot of users and data without losing performance.