

Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Date	31st October 2022
Team ID	PNT2022TMID07939
Project Name	Project - Containment Zone Alert Application
Maximum Marks	4 Marks

FR No.	Functional Requirement (Epic)	Sub Requirement (Story/Sub-Task)
1	Admin Login	<ul style="list-style-type: none"> ◆ Separate Portal for Administrator to login and make use of.
2	Admin Dashboard	<ul style="list-style-type: none"> ◆ A responsive dashboard that shows all statistics of the app and gives the admin full control over the application. ◆ Controls to perform CRUD operations on the application's database.
3	User Registration	<ul style="list-style-type: none"> ◆ A simple and clear interface for user interface that requires the necessary details to be input by the user. ◆ All fields should be validated according to the required detail.
4	User Login	<ul style="list-style-type: none"> ◆ One time login, required whence installing using the app for the first time.
5	Primary Specifics	<ul style="list-style-type: none"> ◆ Highlight of containment zones in a map interface is to be shown to the user. ◆ Listing of details of Containment zones. ◆ Instant notification delivery on user-entry into a containment zone.
6	Additional Features	<ul style="list-style-type: none"> ◆ COVID statistics to be shown to the user. ◆ Covid news from NEWSAPI

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Non-Functional Requirements :

NFR No.	Non-Functional Requirement(Epic)	Sub Requirement (Story/Sub-Task)
1	Usability	<ul style="list-style-type: none">◆ The application should provide a good UI/UX design with seamless navigation across sections of the app.
2	Security	<ul style="list-style-type: none">◆ Passwords should not be stored by the application.◆ The passwords must be hashed and only the hashed values should be stored in the database.◆ Privacy and security of the user must be maintained.
3	Reliability	<ul style="list-style-type: none">◆ The data provided by the application should be reliable.◆ At any point, data corruption should not exist.
4	Performance	<ul style="list-style-type: none">◆ The system's performance should not be affected by a change in the number of users.
5	Availability	<ul style="list-style-type: none">◆ The application and its resources must be available at all times.
6	Scalability	<ul style="list-style-type: none">◆ The application must be extendable to a larger scale of users.