

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

Date	03 October 2022
Team ID	PNT2022TMID08097
Project Name	Project – Containment zone alerting application
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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Verification	Verification using phone number
FR-4	User Login	<ul style="list-style-type: none"> Login using email and password. One time login, required when installing using the app for the first time.
FR-5	Primary Specifies	<ul style="list-style-type: none"> Highlight of containment zones in a map interface is to be shown to the user. Instant notification delivery on user-entry into a containment zone.
FR-6	Additional Features	<ul style="list-style-type: none"> COVID statistics to be shown to the user.

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"> The application should provide a good UI/UX design with seamless navigation across sections of the app.
NFR-2	Security	<ul style="list-style-type: none"> Passwords should not be stored by the application. Privacy and security of the user must be maintained.
NFR-3	Reliability	<ul style="list-style-type: none"> The data provided by the application should be reliable.
NFR-4	Performance	<ul style="list-style-type: none"> The system's performance should not be affected by a change in the number of users.

NFR-5	Availability	<ul style="list-style-type: none"> The application and its resources must be available at all times.
NFR-6	Scalability	<ul style="list-style-type: none"> The application must be extendable to a larger scale of users.