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| SOLUTION  REQUIREMENTS |
| *Containment Zone Alert Application* |

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CONTAINMENT ZONE ALERT APPLICATION

Solution Requirements (Functional & Non-Functional)

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| **Date** | 27October 2022 |
| **Team ID** | Team ID: PNT2022TMID31914 |
| **Project Name** | Project - Containment Zone Alert Application |
| **Maximum Marks** | 4 Marks |

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| **FR**  **No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story/Sub-Task)** |
| **1** | **Admin Login** | * Separate Portal for Administrator to login and make use of. |
| **2** | **Admin Dashboard** | * 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** | * 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** | * One time login, required whence installing using the app for the first time. |
| **5** | **Primary Specifics** | * 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** | * COVID statistics to be shown to the user. * Covid news from NEWSAPI |

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|  | **NFR**  **No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story/Sub-Task)** |  |
| **1** | **Usability** | * The application should provide a good UI/UX design with seamless navigation across sections of the app. |
| **2** | **Security** | * 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** | * The data provided by the application should be reliable. * At any point, data corruption should not exist. |
| **4** | **Performance** | * The system’s performance should not be affected by a change in the number of users. |
| **5** | **Availability** | * The application and its resources must be available at all times. |
| **6** | **Scalability** | * The application must be extendable to a larger scale of users. |
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