

Project Design Phase II
Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID36856
Project Name	Containment zone alerting
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 and table 2

Example: Order processing during pandemics for offline mode



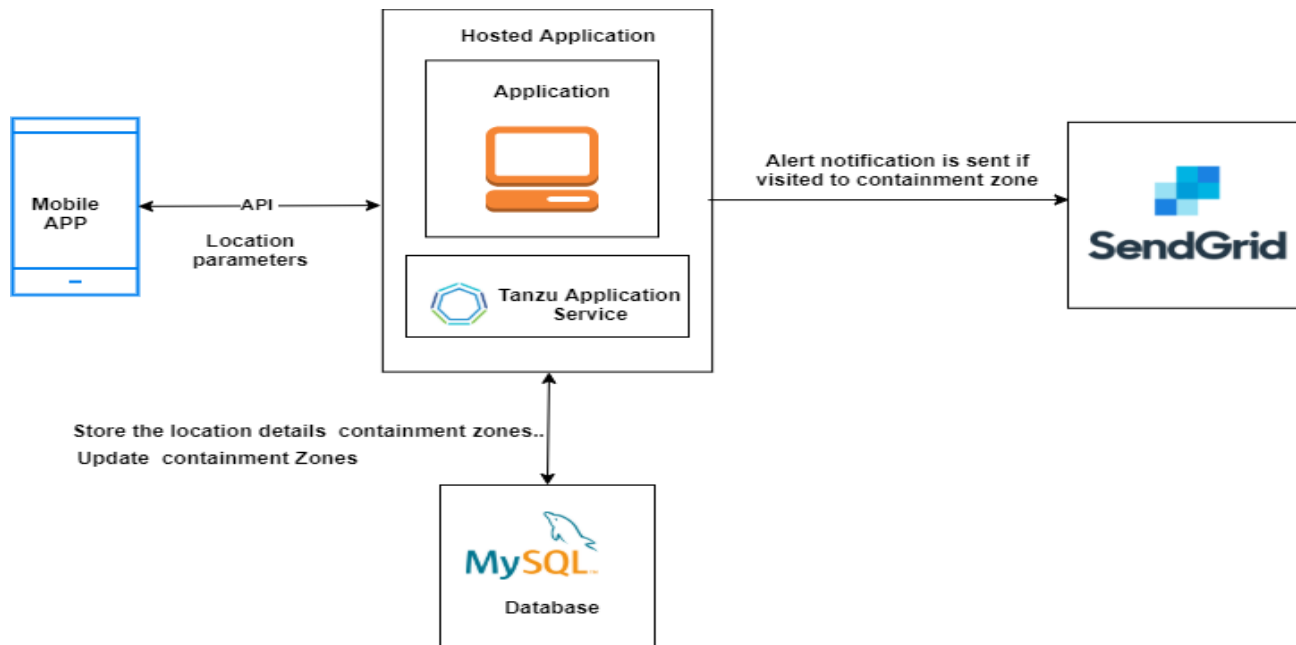


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Alert text message.	HTML, CSS, Java.
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	Cloud Application Model	Purpose of cloud application model	Place recognition model, Etc
9.	Infrastructure(server/cloud)	Application deployment on local system/cloud Local server configuration: Cloud Server configuration:	Local,cloud foundry,kubernates,etc



Table-2: Application characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	List all the security / access controls implemented use of location tracking,notification Etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture	Technology used
4.	Availability	Justify the availability of application (e.g alert message ,notification etc)	Technology used
5.	Performance	Design consideration for the performance of the application (number of notification per sec,use of Cache, setc.	Technology used

