Project Design Phase-II
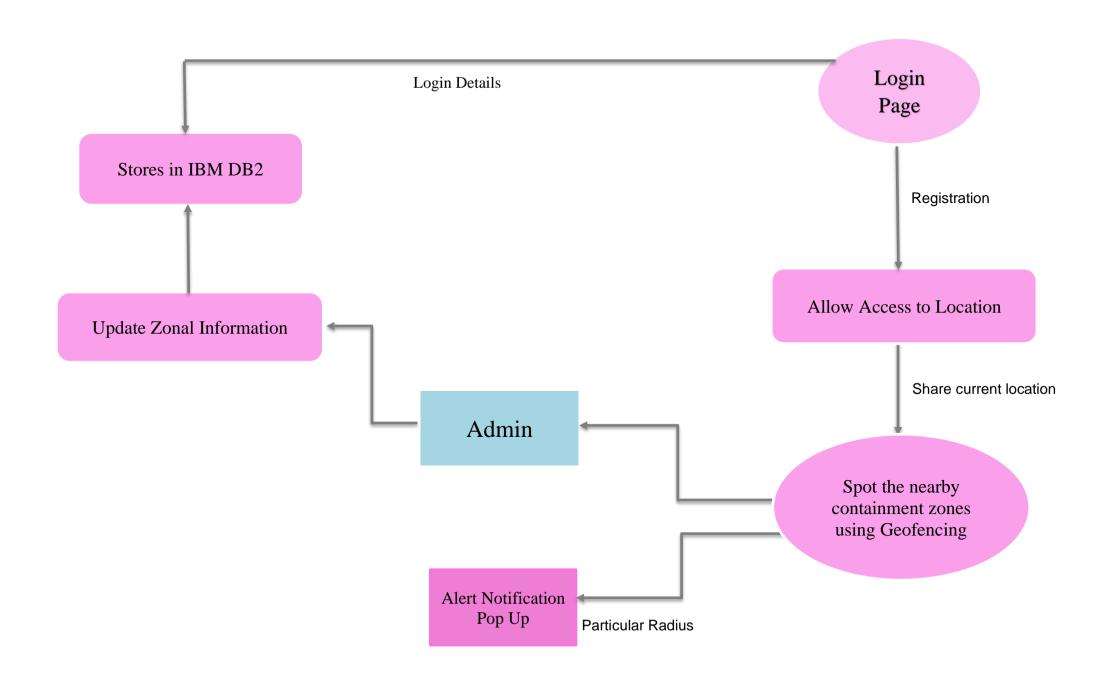## Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID00605
Project Name	Containment zone alerting application
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

```
                                                                          ┌─────────┐
                    Login Details                                         │  Login  │
       ┌──────────────────────────────────────────────────────────────── │  Page   │
       │                                                                  └─────────┘
       ▼                                                                       │
┌──────────────────┐                                                          │ Registration
│ Stores in IBM DB2│                                                          │
└──────────────────┘                                                          ▼
       ▲                                                          ┌──────────────────────────┐
       │                                                          │ Allow Access to Location │
┌──────────────────────────┐                                      └──────────────────────────┘
│ Update Zonal Information │                                                    │
└──────────────────────────┘                                                   │ Share current location
       │                                                                       │
       │          ┌─────────┐                                                  ▼
       └────────► │  Admin  │ ◄──────────────────── ┌──────────────────────────┐
                  └─────────┘                        │   Spot the nearby        │
                                                     │   containment zones      │
           ┌──────────────────────┐                 │   using Geofencing       │
           │ Alert Notification   │ ◄────────────── └──────────────────────────┘
           │ Pop Up               │     Particular Radius
           └──────────────────────┘
```

Login Page

Login Details

Stores in IBM DB2

Update Zonal Information

Registration

Allow Access to Location

Share current location

Admin

Spot the nearby containment zones using Geofencing

Alert Notification Pop Up

Particular Radius

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I can register for the application through mobile number.	I can register & access myzone's information	Low	Sprint-1
	Login	USN-3	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-4	As a User , Can I manually plot the alerted zone for my convenience only.	It can be viewed in the user dashboard	Low	Sprint-2
Customer (Web user)	Alert message via notification	USN-7	As a user, I can travel safely and get out ofthe infected zone.		Medium	Sprint-3
	Location Access	USN-6	As a User , I can viewed into the page , if there is any condition to access the location	Location can be turned through Control center	High	Sprint-2
Administrator	Login information	USN-1	The information received by administrator regarding login details from user is stored in DataBase.	I can store the information for future use	High	Sprint-4
	Update infected zone information	USN-1	The administrator gets the information regarding the infected zones and updates it.	I can get the results and update it.	High	Sprint-4