Project Design Phase-II
Data Flow Diagram & User Stories

Date	3 October 2022
Team ID	PNT2022TMID31287
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.

Example:
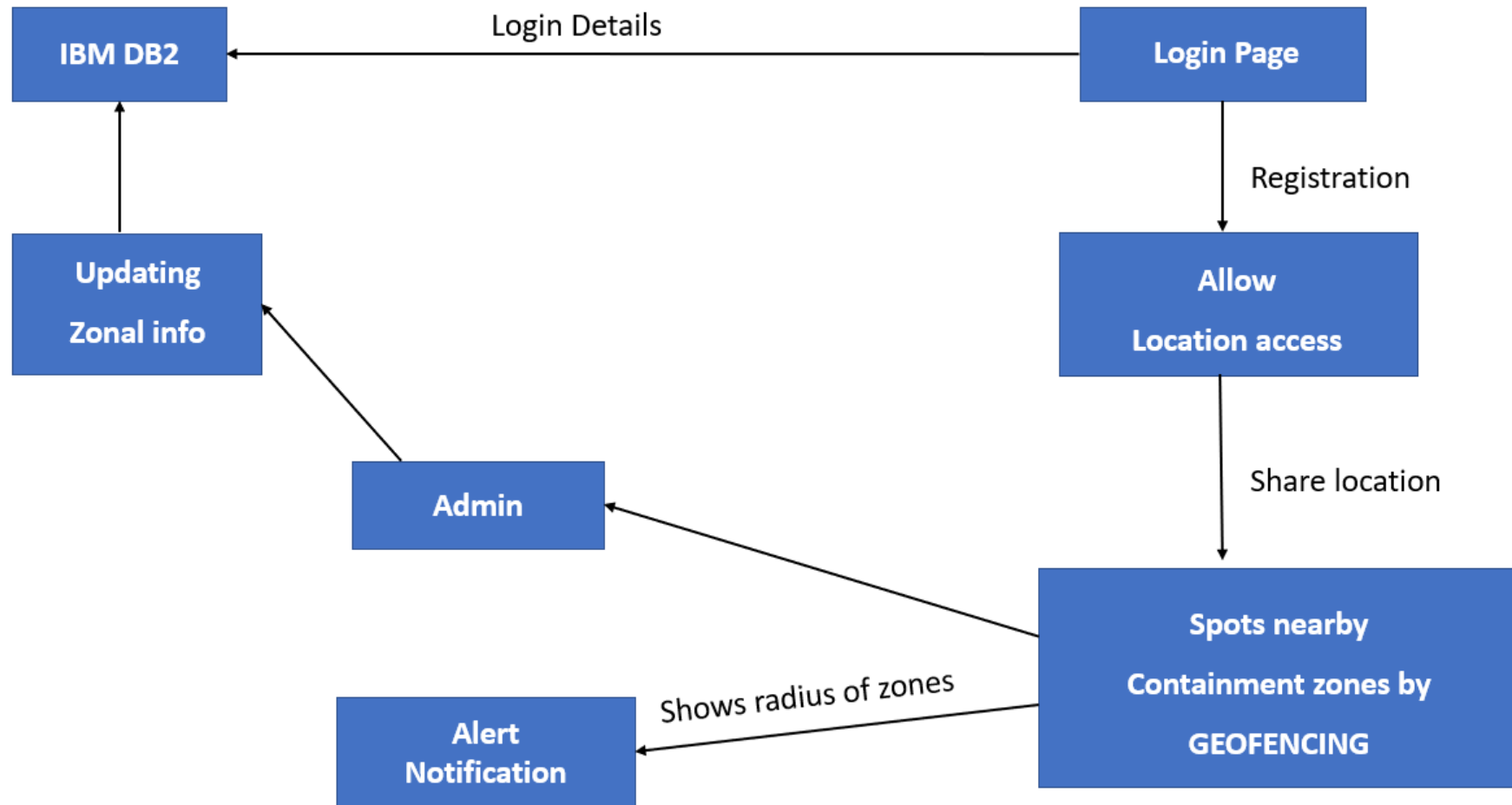
User Stories:

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 will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint - 1
		USN - 3	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail	Medium	Sprint - 1
	Login	USN - 4	As a user, I can log into the application by entering email & password	I can see the homepage	High	Sprint - 1
	Dashboard	USN - 5	As a user, I can see the options available for User account.	I can see the dashboard	Medium	Sprint – 2
	Background running	USN – 6	As a user, I allow the app to run in background.	I should change the app settings to run app in	Medium	Sprint – 2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				background		
	GPS	USN – 7	As a user, I allow the app to access my location	I should accept the permission to access my location	Medium	Sprint – 2
	Google Maps	USN – 8	As a user, I can see the containment zones using the maps via Google Maps.	I should accept location permission	Medium	Sprint – 2
	Notifications	USN – 9	As a user, I allow notification access for the application.	I should allow notification access	Medium	Sprint – 2
Administrator	Login	USN – 1	As admin, I log into the administrator portal.	I can access the admin account.	High	Sprint – 1
	Services	USN – 2	As admin, I use the cloud services to maintain users and the contaminated zones data.	I work with cloud services	High	Sprint – 3
	Cloud Database	USN – 3	As admin, I store the user details in the cloud database.	I get the details of the user and store in the cloud database.	Medium	Sprint – 3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Maps	USN – 4	As admin, I will enter the containment zone's location.	I should enter correct coordinates of containment zones	High	Sprint – 3
	Mail System	USN – 5	As admin, I set up a mail system to alert users when they enter a containment zone.	I use online mail system to send mail to users.	High	Sprint – 4
	Updating Zones	USN - 6	As admin, I should frequently update the details and the location of the containment zones.	I fetch data from internet and update the zones and the relevant details.	High	Sprint - 4
	Data Collections	USN - 7	As an admin, I need to store all the user information on the cloud	I can access the information when I needed	Medium	Sprint - 4