Project Design Phase-II
Data Flow Diagram & User Stories

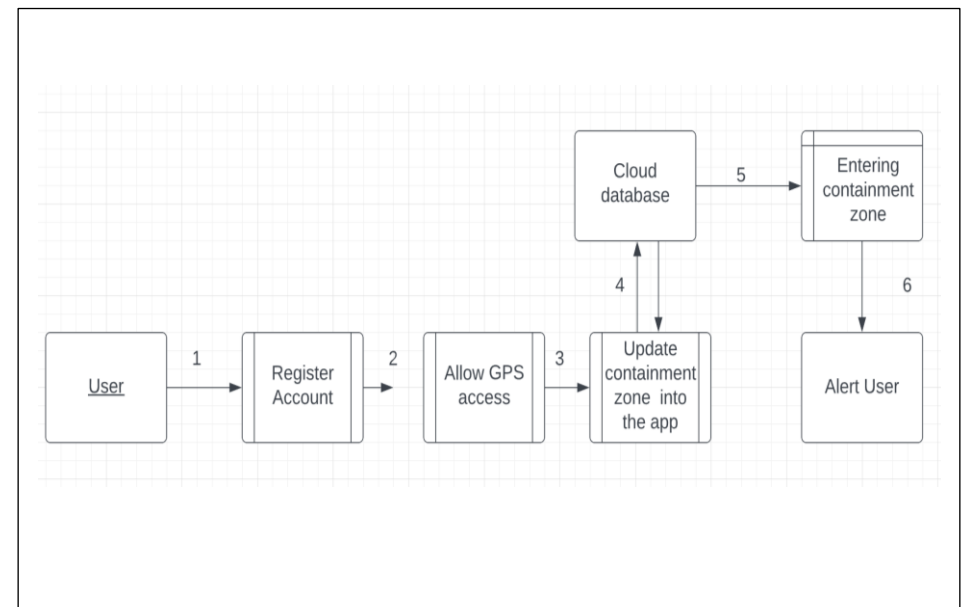| Date	19 October 2022
Team ID	PNT2022TMID52614
Project Name	Project – Containment zone alerting app
Maximum Marks	4 Marks

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: DFD Level 0 (Industry Standard)

Example: (Simplified)

1. **User will register an account.**
2. **Then user should allow the app to access his/her GPS.**
3. **Then app will update all the containment zone near the user.**
4. **App will keep updating containment zone by accessing cloud database.**
5. **Then if the user enters the containmenrt zone(gets location from cloud)**
6. **Alert the user through pushing notifications.**

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 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 Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-6	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)	Registration	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	User account activities can be viewed in dashboard.	High	Sprint-2
			Confirmation code has been send through the registered mail id, phone number			
	Location Access	USN-8	As a User , I can viewed into the page , if there is any condition to access the location.	Location can be turned through Control centre.	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Contaminated Zones	USN-9	Is it accurately show off the alerted zone If I Entered into the zone the messages are properly received through email.	Alerted messages are send by send grids through the registered mail id.	High	Sprint-3
Administrator	Frequent Updates	USN-10	Admin are necessary to updates the recent containment through their portals and these seen through the app.	It can be accessed by Geo fencing.	Medium	Sprint-4
Hospital Administrator	Registration	USN-11	As a management, I need to register my hospitals on the site.	I can see the registered hospital in the hospital dashboard.	High	Sprint-1
	Login	USN-12	As a management, I need to login into my dashboard with my given hospital id and password.	I can see my dashboard after login.	Medium	Sprint-1
	Dashboard	USN-13	As a management, I need to enter the case information of the patient that visits our hospital.	I can view the patient information on the dashboard.	High	Sprint-2
		USN-14	As a management, I need to store all the patient information on the cloud.		High	Sprint-2
Administrator	Services	USN-15	As an admin, I need to provide valid information about the pandemic out there .	I can get the pandemic updates out there.	High	Sprint-2
		USN-16	As an admin, I need to provide medical advice through a chatbot.	I get medicinal recommendations through a chatbot.	Medium	Sprint-3
		USN-17	As an admin, I need to provide medical recommendations by collaborating with top hospitals.	I get medical instruction through chief doctors.	Low	Sprint-3
		USN-18	As an admin, I need to alert the user when they enter pandemic zones.	I got a notification when I am in the pandemic area.	Medium	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-19	As an admin, I need to provide preventive measures when they travel through it.	I got a remedies notification when I am in the pandemic area.	High	Sprint-3
		USN-20	As an admin, I need to provide special services for premium users by giving services like monitoring health by their smart bands.	I was treated special after becoming a premium member.	Low	Sprint-4
	Data Collection	USN-21	As an admin, I need to store all the user information on the cloud.	I can access my information when I needed.	Medium	Sprint-4