Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID51930
Project Name	Project – 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.

DATA FLOW DIAGRAMS
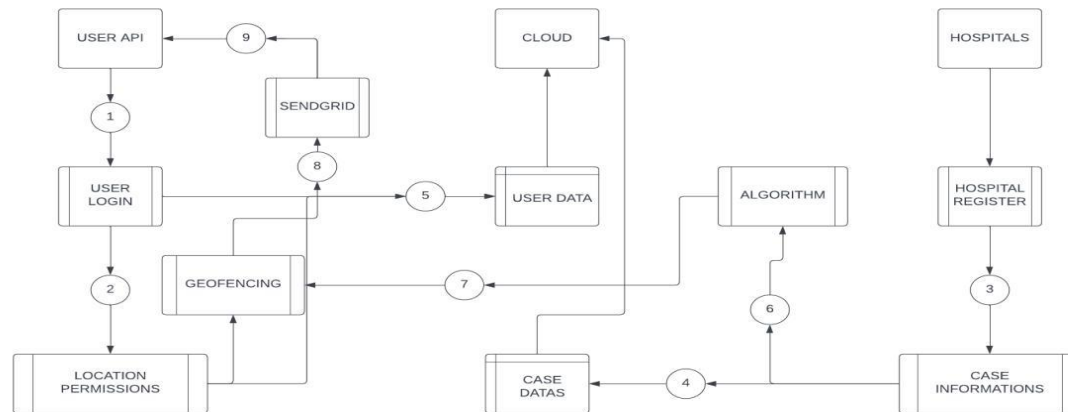
1. USER REGISTRATION IS DONE BY FILLING FORMS
2. AFTER REGISTRATION GETTING LOCATION PERMISSIONS
3. CASE INFORMATIONS GATHERED THROUGH HOSPITAL REGISTER
4. GATHERED CASE DATA IS STORED IN CLOUD
5. USER LOGIN INFO IS STORED IN CLOUD
6. BY USING GATHERED CASE INFORMATION IS CREATED
7. THE GENERATED ALGORITHM IS DISPLAYED IN GEOFENCING SYSTEM
8. GENERATED DATA IS LINKED WITHN SENDGRID SERVICES
9. SENDGRID COLLAB WITH GEOFENCE ALGORITHM WHEN USER ENTERS CONTAMINATED ZONE ALERTS IS SEND THROUGH NOTIFICATION

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, and password and confirming my password.	I can access my account/dashboard	High	Sprint-1
		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	I can receive a 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-4
		USN-4	As a user, I can register for the application through Gmail.	I can register & access the dashboard with Google Login	Medium	Sprint-1
		USN-5	As a user, I can register for the application through Twitter.	I can register & access the dashboard with Twitter Login	Low	Sprint 4
	Login	USN-6	As a user, I can log into the application by entering my email & password	I can access it whenever I want its access.	High	Sprint-1
	Dashboard	USN-7	As a user, I need to give permission to access My Contacts, Location, and Storage.	I get access to their services	High	Sprint-2
		USN-8	As a user, I get access to the dashboard which shows a map with marked zones	I can see the zone information on the dashboard.	high	Sprint-2

Hospitals Administrator	Registration	USN-9	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-10	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-11	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-12	As a management, I need to store all the patient information on the cloud	-	high	Sprint-3
Administrator	Services	USN-13	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-14	As an admin, I need to provide medical advice through a chatbot.	I get medicinal recommendations through a chatbot.	medium	Sprint-3
		USN-15	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-16	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
		USN-17	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-18	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 collections	USN-18	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
		USN-19	As an admin, I need to collect the list of viruses & bacteria present in this world.	-		Sprint-4