

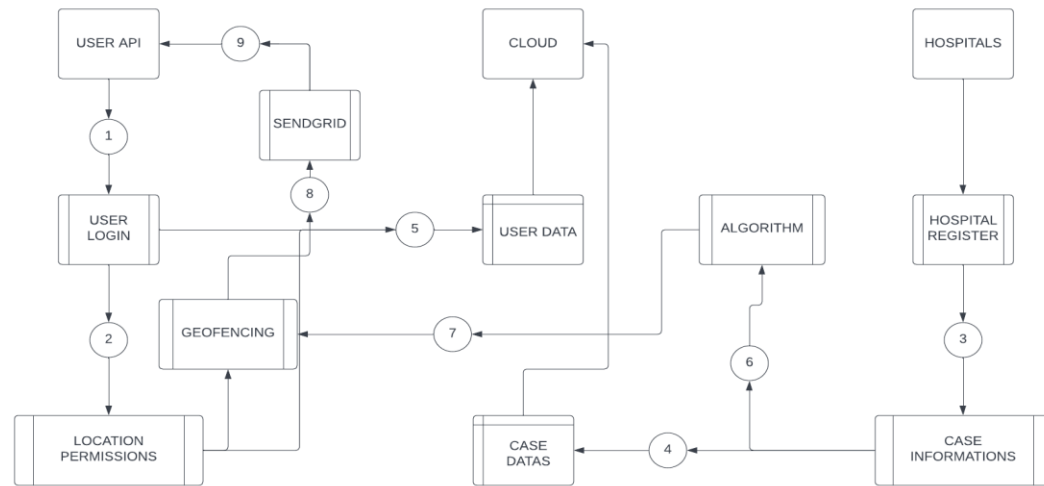
Project Design Phase-II

Data Flow Diagram & User Stories

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| Date | 21 th October 2022 |
| Team ID | PNT2022TMID37391 |
| Project Name | Project – Containment Zone Alerting Application |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

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 WITHIN 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 |

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|-------------------------|------------------|--------|---|---|--------|----------|
| 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 |

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|--|--|--------|--|---|--|----------|
| | | USN-19 | As an admin, I need to collect the list of viruses & bacteria present in this world. | - | | Sprint-4 |
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