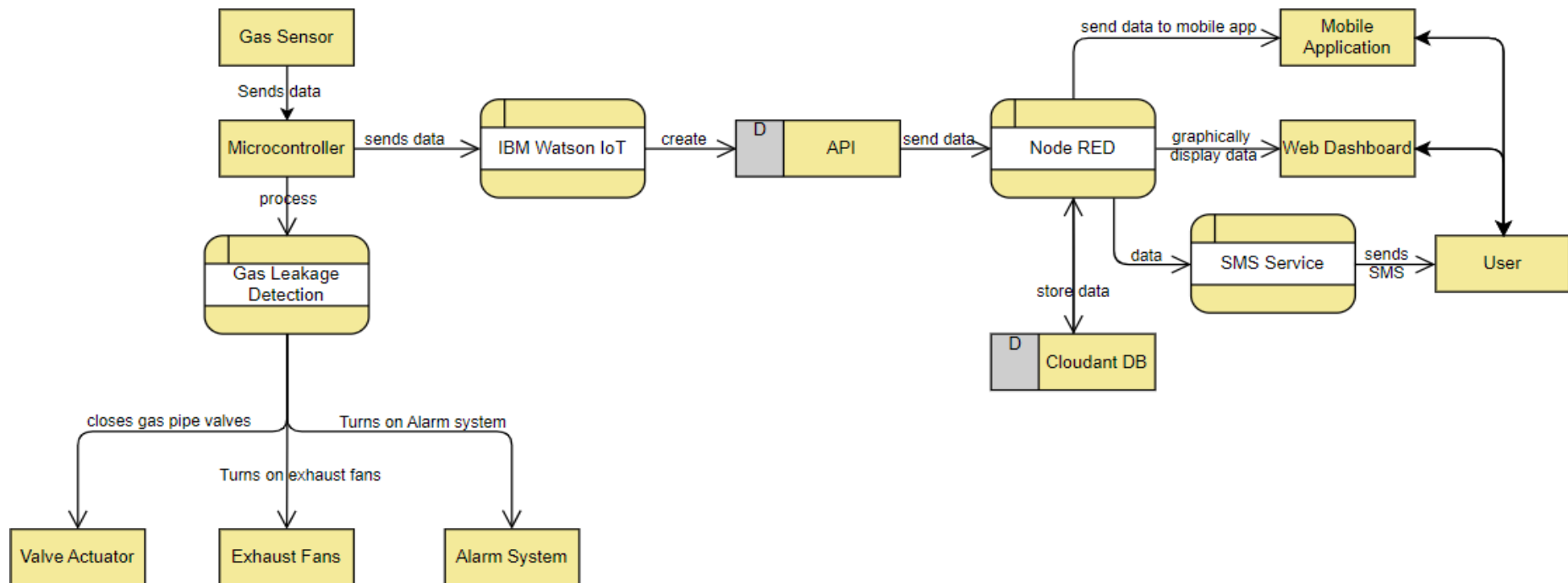


Project Design Phase-II

Data Flow Diagram & User Stories

| | |
|--------------|---|
| Date | 19 October 2022 |
| Team ID | PNT2022TMID05711 |
| Project Name | Gas Leakage Monitoring & Alerting System for Industries |

Data Flow Diagram:



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 (Industry owner) | 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 |
| Customer (Industry Owner) | Confirmation | 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 |
| Customer (Industry Owner) | Authorize | USN-3 | As a user, I will enable the supervisor to monitor the gas leakage system status. | I can provide access to supervisor. | High | Sprint-1 |
| Customer (Supervisor) | Login | USN-4 | As a user, I can log into the application by entering email & password. | I can get access to dashboard. | High | Sprint-1 |
| Customer (Supervisor) | Monitor | USN-5 | As a user, I can monitor the status of the gas leakage system. | I can view the status of gas leakage system. | High | Sprint-1 |
| Customer (Line Workers) | Notification | USN-6 | As a user, I can get (alarm system) alert about gas leakage. | I can get alert about gas leak. | Medium | Sprint-2 |
| Customer (Supervisor) | Notification | USN-7 | As a user, I can get SMS notification & alarming alert about gas leakage. | I can get alert about gas leakage. | Medium | Sprint-2 |
| Customer (Industry Owner) | Notification | USN-8 | As a user, I can get SMS notification about gas leakage. | I can get alert about gas leakage. | Medium | Sprint-2 |
| Customer (Industry Owner) | Sign-Up | USN-9 | As a user, I can sign-up using Facebook login. | I can sign-up with the application using Facebook. | Low | Sprint-3 |
| Customer (Supervisor) | Sign-Up | USN-10 | As a user, I can sign-up using Facebook login. | I can sign-up with the application using Facebook. | Low | Sprint-3 |
| Administrator | Service Request | USN-11 | As a user, I can request for service in case of any issue with gas leakage monitoring system | I can get service from provider | Low | Sprint-3 |
| Administrator | Increased service | USN-12 | As a user, I can request for scaling up the gas leakage monitoring system. | I can get service from the provider. | Low | Sprint-4 |