

## Project Design Phase-II Data Flow Diagram & User Stories

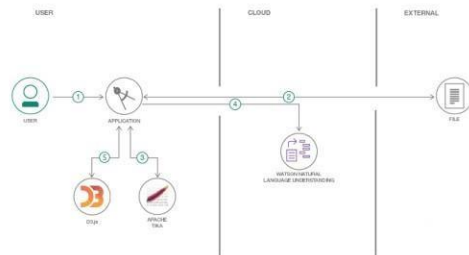
Date	10 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Gas Leakage Monitoring And Alerting System In Industries
Maximum Marks	4 Marks

### 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.

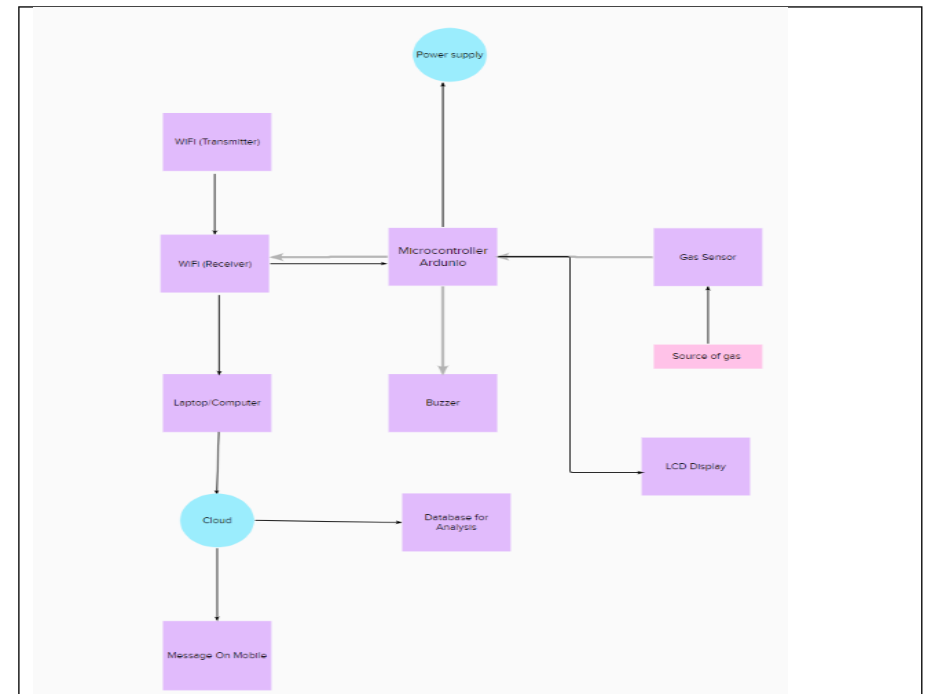
Example: [\(Simplified\)](#)

Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

### Gas Leakage Monitoring And Alerting System In Industries



## 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	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	High	Sprint-1
	Login	USN-3	As a user, I can log into the application entering email & password	I can login to my web to my email and password.	High	Sprint-1
	Dashboard	USN-4	As a user, I can login into my account and I can add the members to send alert message	Only added contact numbers can receive SMS alerts.	High	Sprint-1
Customer (Web user)	Registration	USN-1	As a user, I can register for to creating account by entering my email, password, and confirming my password.	I can access my account.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the web user.	I can receive confirmation email.	High	Sprint-1
	Login	USN-3	As a user, I can log into the website entering email & password	Only valid credentials must be acceptable.	High	Sprint-1
	Dashboard	USN-4	As a user, I can login into my account and I can add the members to send alert message	Only added contact numbers can receive sms alerts.	High	Sprint-1

Administrator	Admin	USN-1	As a Admin, He/ She can add the members those who want to receive alert message.	The Admin have authority can add members and edit the details.	High	Sprint-1
		USN-2	As a Admin, He/ She can monitor real time.	The admin can monitor the process by 24/7 hrs.	High	Sprint-1