

Project Design Phase-II Data Flow Diagram & User Stories

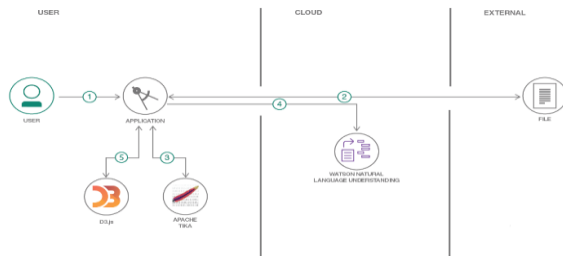
Date	03 October 2022
Team ID	PNT2022TMID35923
Project Name	Hazardous area monitoring for industrial plant powered by IOT
Maximum Marks	4 Marks

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.

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	I can click the confirmation received through Gmail to access the application.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can receive the required data after accessing.	High	Sprint-1
	Dashboard	USN-6	As a user, I can wear the beacon scanners and connect to the cloud.	I should be able to receive "Connected to cloud".	Medium	Sprint-2
		USN-7	The application should be able to display the desired results to the user.	I can confirm the temperature and gas levels in my surroundings.	High	Sprint-2
Customer (Web user)	Registration	USN-1	As a user, I should be able to access the details after entering my credentials.	I should be able to access my account with a confirmation mail.	Medium	Sprint-1
	Login	USN-2	I should have received a confirmation mail.	I should be able to click "Confirm" and view the data.	High	Sprint-1
		USN-3	As a user, my beacon scanners should be turned on and be able to connect to the cloud.	I should be able to access my surrounding's temperature and gas levels.	High	Sprint-2
	Dashboard	USN-4	As a user, I should be able to view the desired contents on the dashboard of the application.	I should be able to view the history of data time to time.	Low	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Logout	USN-5	As a user, I should be able to logout from my account anytime.	I can logout from the account.	Medium	Sprint-3
Customer Care Executive	Login	USN-1	As a customer care executive, I should be able to login with my credentials.	I should be able to view my details.	High	Sprint-1
	Dashboard	USN-2	As a customer care executive, I should be able to view information laid out in grid format.	I should be access the information displayed in the dashboard.	Medium	Sprint-1
	Responsibilities	USN-3	As a customer care executive, I should be able to view all the complaints and suggestions given by the customers.	I should be able to resolve the complaints and validate customer suggestions.	High	Sprint-2
		USN-4	As a customer care executive, I should be able to update about the complaints and suggestions.	I should be able to share the data with the admin.	High	Sprint-2
Administrator	Login	USN-1	As an administrator, I should be able to login to my account with my credentials.	I should be able to view my dashboard and details.	High	Sprint-1
	Dashboard	USN-2	As an administrator, I should be to access all the grid information displayed.	I should be able to view the details shared by my team and manage.	Medium	Sprint-1
	Responsibilities	USN-3	As an administrator, I should be able to check for valid suggestions and resolve complaints.	I should resolve the complaints and update.	High	Sprint-2
			As an administrator, I can review the implemented suggestions and enable a safe web access so that no data is lost.	I can review the updates made and enable a safe environment.	High	Sprint-3