

Project Design Phase-II

Data Flow Diagram & User Stories

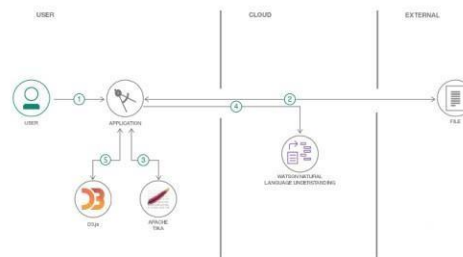
Date	25 –October -2023
Team ID	NM2023TMID07251
Project Name	Project – Aquatic Insights: Cognos -Powered Water Portability Analysis
Maximum Marks	4 Marks

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.

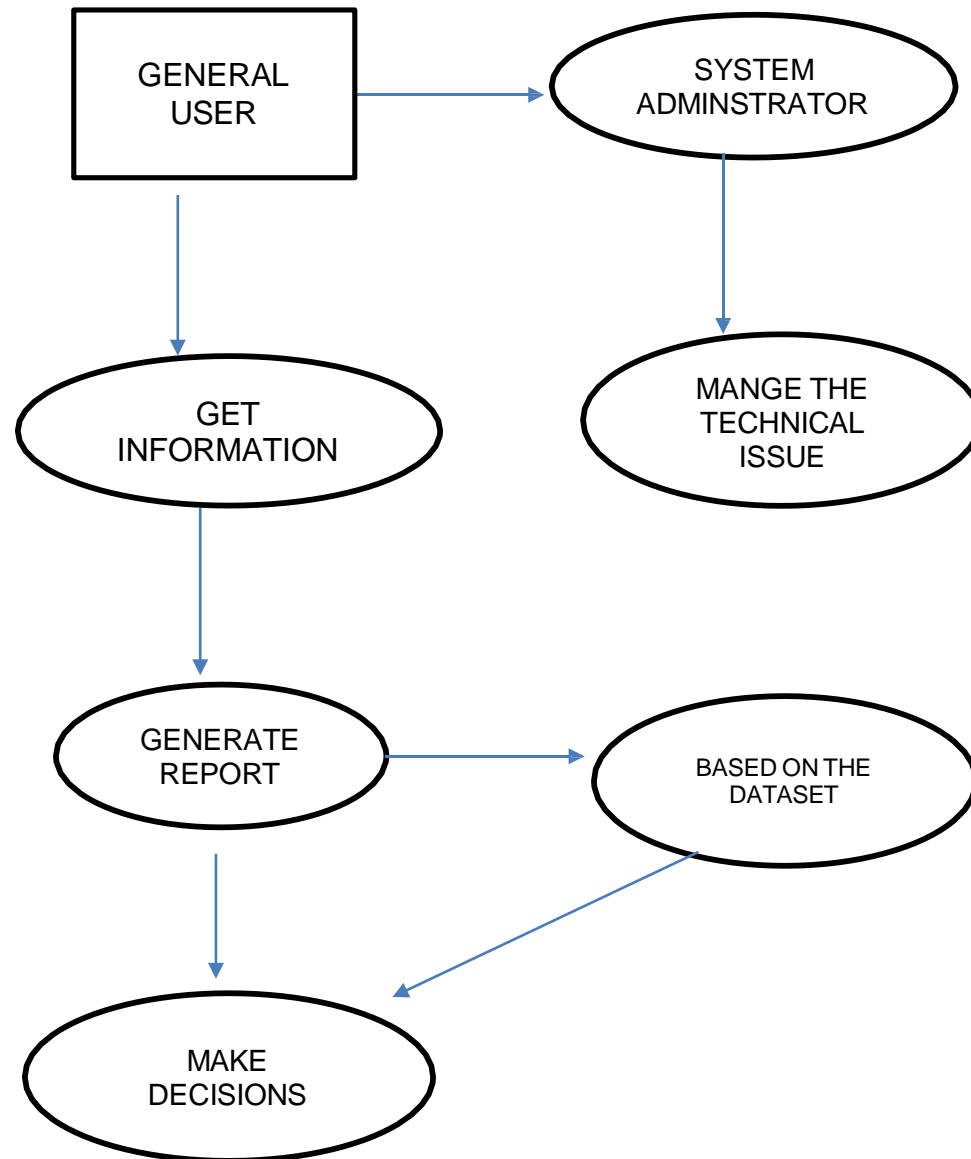
Example: [\(Simplified\)](#)

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.

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
PUBLIC	check water quality information for their area	USN-1	Public users can access the system to check the quality of water in their area. They can view real-time water quality information, including potability status.	I can access my account / dashboard	o/1	
		USN-2	Public users may set preferences to receive real-time alerts and notifications about water quality issues, such as water contamination or safety concerns.		0/1	
		USN-3	They can access historical water quality data to track changes and trends in water quality over time		0/1	
	Dashboard					
System Administrator			Infrastructure Management: System administrators are responsible for managing the technical infrastructure, including servers, databases, and software updates. They ensure that the system is running smoothly and efficiently.			