

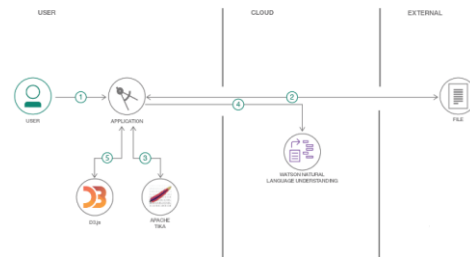
Project Design Phase-II Data Flow Diagram & User Stories

Date	03October 2022
Team ID	PNT2022TMID18285
Project Name	Project - EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION
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.

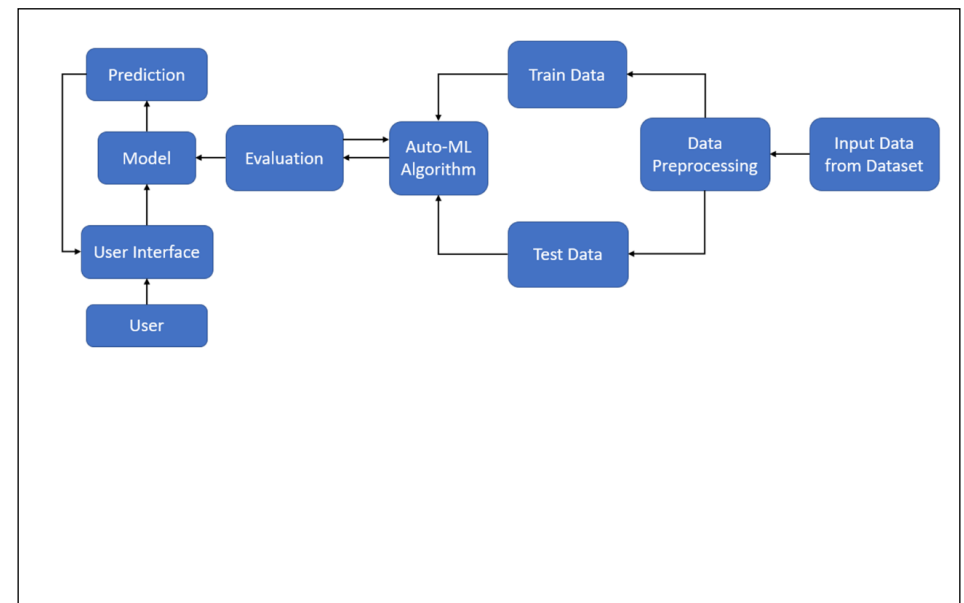
Flow



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.

Example: [Simplified](#)

Example: DFD Level 0 (Industry Standard)



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		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard					
Customer (Web user)	Register	USN-7	As a web 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
	Login	USN-8	As a web user, I can log into the applicationby entering email & password	I can log into the application by enteringemail & password	High	Sprint-1
	Dashboard	USN-9	As a web user,I will receive the informationabout myself once I have login into the application	I can receive informationabout myself once login	High	Sprint-1
Customer Care Executive	Register	USN-10	As a customer care executive,I can registerusing G-mail and password	I can access my account	High	Sprint-1
	Login	USN-11	As a customer care executive,I can login byentering G-mail and password	I can log into the application by enteringemail & password	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
USN-12	As a customer care executive,I will receive the information about issues of the customer onceI can login into the application	I can receive issue from customer	High	Sprint-1		
Administrator	Login	USN-13	As a administrator,I can login using Adminusername and password	I can login to theapplication	High	Sprint-1
	Dashboard	USN-14	As a administrator, I can access thedashboard of the customer	I can access the dashboard of customer	High	Sprint-1