Project Design Phase-II
Data Flow Diagram & User Stories
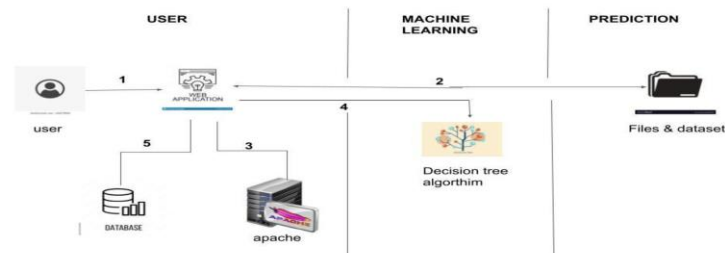
Date	03 October 2022
Team ID	PNT2022TMID37146
Project Name	Project – EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION
Maximum Marks	4 Marks

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.
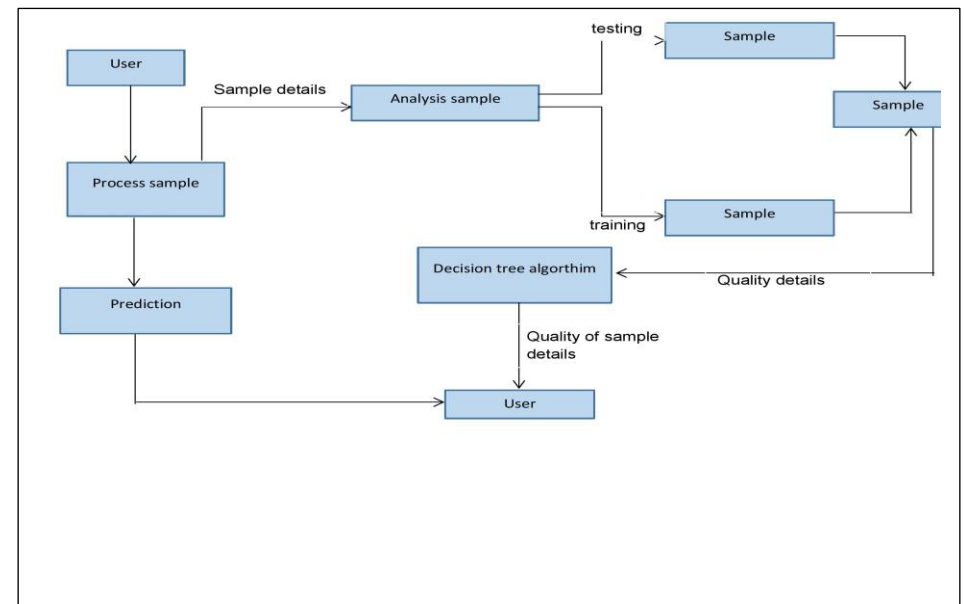
Example: (Simplified)

Example: DFD Level 0 (Industry Standard)

Flow diagram:

1. User configures the credentials for the decision tree algorthim and start the app.
2. User select the data files to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to decision tree algorthim for enrichment.
5. Enriched data is visualized in UI using the db.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 register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can log into the application by entering email & password	High	Sprint-1
	Dashboard	USN-6	As a user,I will receive the information about myself once I have login into the application	I can receive information about myself once login	High	Sprint-1
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 application by entering email & password	I can log into the application by entering email & password	High	Sprint-1
	Dashboard	USN-9	As a web user,I will receive the information about myself once I have login into the application	I can receive information about myself once login	High	Sprint-1
Customer Care Executive	Register	USN-10	As a customer care executive,I can register using G-mail and password	I can access my account	High	Sprint-1
	Login	USN-11	As a customer care executive,I can login by entering G-mail and password	I can log into the application by entering email & password	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Dashboard	USN-12	As a customer care executive,I will receive the information about issues of the customer once I 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 Admin username and password	I can login to the application	High	Sprint-1
	Dashboard	USN-14	As a administrator, I can access the dashboard of the customer	I can access the dashboard of customer	High	Sprint-1