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)

Flow diagram:
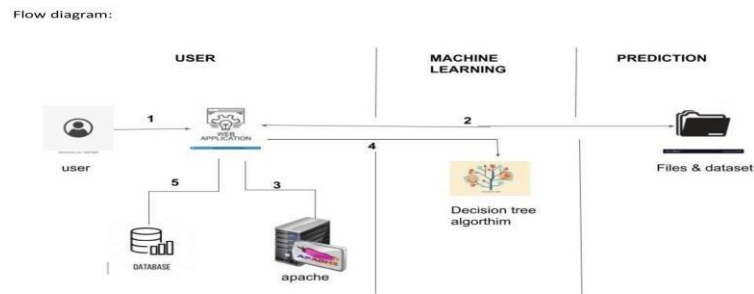
1. User configures the credentials for the decision tree algorthim and start the app.
2. User select the data files to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to decision tree algorthim for enrichment.
5. Enriched data is visualized in UI using the db.js library.

Example: DFD Level 0 (Industry Standard)
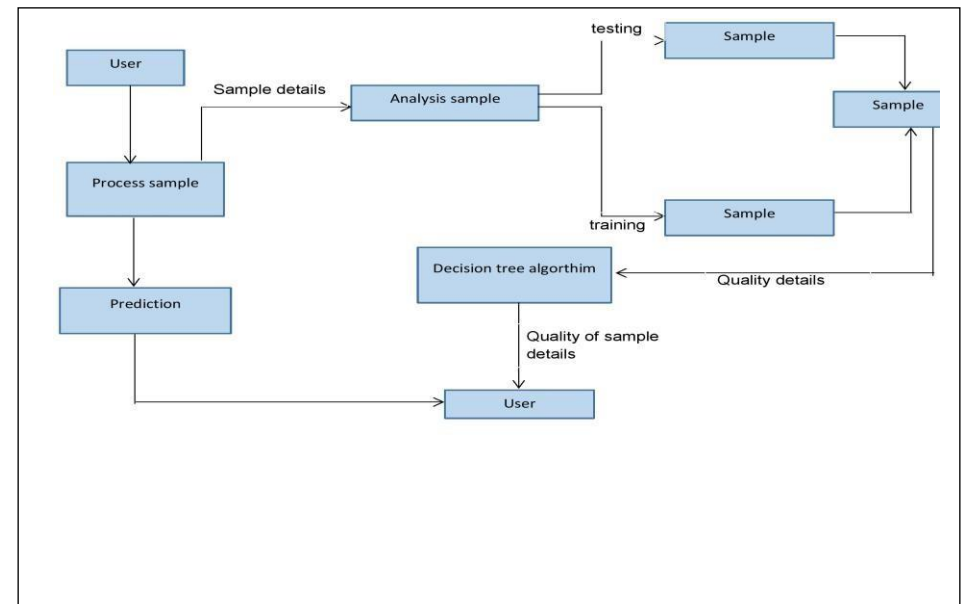
User Stories

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 and can receive confirmationemail & click confirm	High	Sprint-1
	Login	USN-2	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-3	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-4	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-5	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-6	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	Login	USN-7	Connect with the service by login	Can get connected with the server	Medium	Sprint-2
Administrator	Provide the service	USN-8	Data is given by the user to admin	Can add or update the data provided by the user	High	Sprint-1