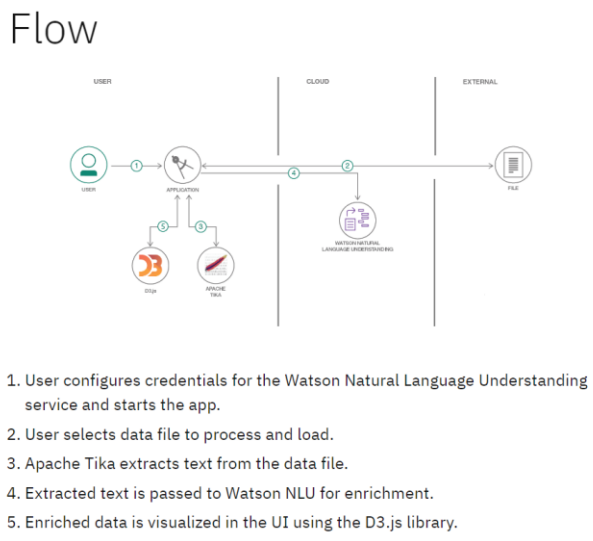
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID33287
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

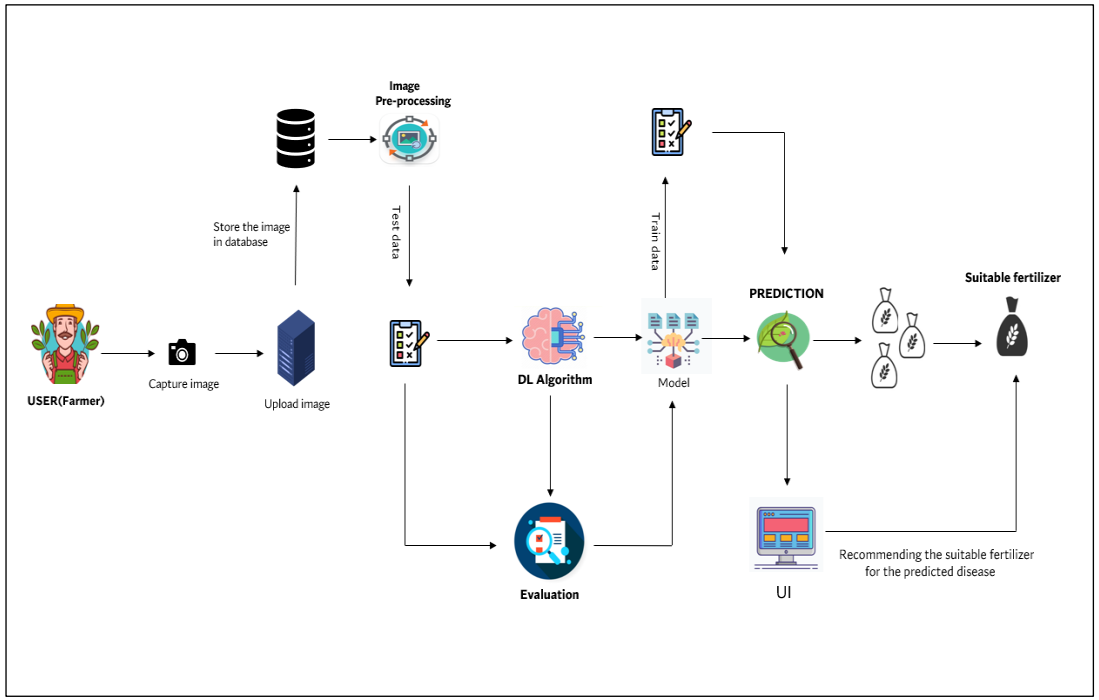
Data Flow Diagrams:

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)



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

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 login & access the dashboard with Facebook Login	High	Sprint-1
Customer (Web user)	Login	USN-1	As a registered user, I can log in to the web application	I can access my account using my login credentials through web application	High	Sprint-1
	Logout	USN-2	As a user, I can log out in to the web application	I can exit from my web application	High	Sprint-1
	Reset my password	USN-3	As a logged in user, If I forget my password I can reset my password	I receive reset password link through my email	Medium	Sprint-1
	Upload image	USN-4	As a user, I will upload the image of affected leaves	I will receive the result(predicted disease) of the image	High	Sprint-1
	Comment	USN-5	As a logged user, I can post a comment about an application	I access the comment section option through my web app	Low	Sprint-2
Administrator	Predicting the disease and recommend fertilizer for it	USN-1	Predicting the disease and will get the recommended fertilizer for the diseased plant	Push the notifications to the customer about the results	High	Sprint-1