Project Design Phase-II Data Flow
Diagram & User Stories
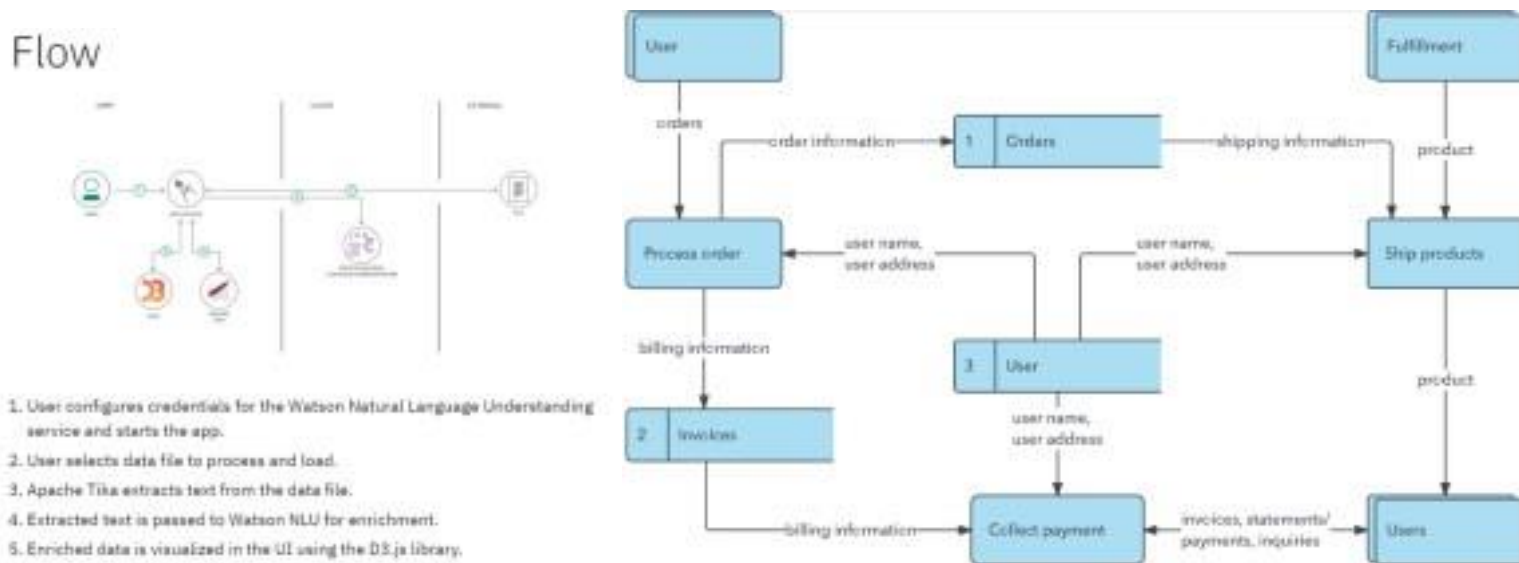
Date	15 October 2022
Team ID	PNT2022TMID17012
Project Name	Project -IOT Based Smart Crop Protection System in Agriculture
Maximum Marks	4 Marks

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: DFD Level 0 (Industry Standard)

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.

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	Low	Sprint-2
				Facebook Login		
		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	USN-6	As a user , i can use the mail application by sensing the animals detection	Facebook Login	High	Sprint-1
Customer (Web user)	Login	USN-7	As a user, i can use the facebook application registration the application process	Get OTP from the registered mobile number	Medium	Sprint -2
Customer Care Executive	Detection	USN-8	As a user get the all the information about the smart crop protection system in agriculture	Through facebook	Medium	Sprint -2
Administrator	Sensors	USN-9	As a user to protect the animals and crops	Through mobile	High	Sprint-1