

Project Design Phase-II Data Flow Diagram & User Stories

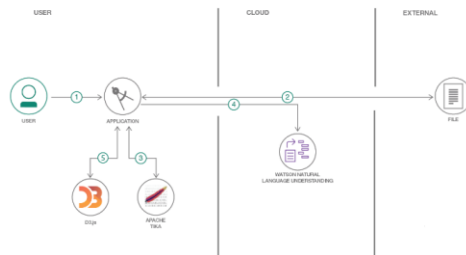
Date	15 October 2022
Team ID	PNT2022TMID22999
Project Name	Project - Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

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.

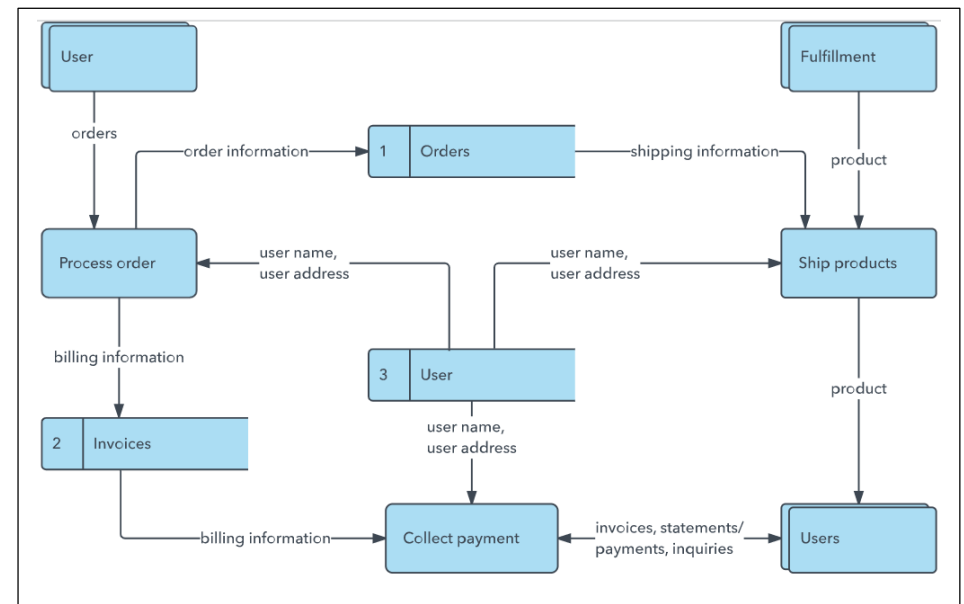
Example: (Simplified)

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: DFD Level 0 (Industry Standard)



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web 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
	Login	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
	Login	USN-3	As an existing user, I can access the website with login credentials that are specific to myself.	I can register & access the dashboard with login credentials that are provided before.	Low	Sprint-2
	Dashboard	USN - 4	I am a new user, ready to explore the site via dashboard.	Registration is sufficient	High	Sprint - 1
		USN - 5	I am an existing user, pick from where I left.	Registration is enough	High	Sprint - 2
Suggestion provider	Image uploading	USN - 1	I am in need of suggestion of fertilizer for the crops in my field. So I am uploading the images for the same.	Successful login and images with high clarity	High	Sprint - 3
		USN - 2	I am in need of suggestion of my land (soil) but I don't have a clear picture of it. So I am specifying it through TEXT format.	Successful login and clearance in specification(data)	High	Sprint - 3
Public Recommendation For fertilizers	View of Recommends	USN - 1	I am just an explorer, view of recommends are adequate.	Successful login is ample	Low	Sprint - 4
Interpretation	Feedback providing	USN - 1	I finished off my journey on the website, time to provide feedback.	Successful login is enough	Low	Sprint - 4
Administrator	Registration	USN -1	I am in seek of my profile details and my exploring stuffs.	Authenticated login is an adequacy.	High	Sprint - 1
	Feedback collection	USN -2	I need to see all other peer members review about this site.	Authenticated login is necessary.	Low	Sprint - 4