Project Design Phase-II

Data Flow Diagram & User Stories

| Date	31 January 2025
Team ID	LTVIP2025TMID41474
Project Name	Smart-Sorting
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.
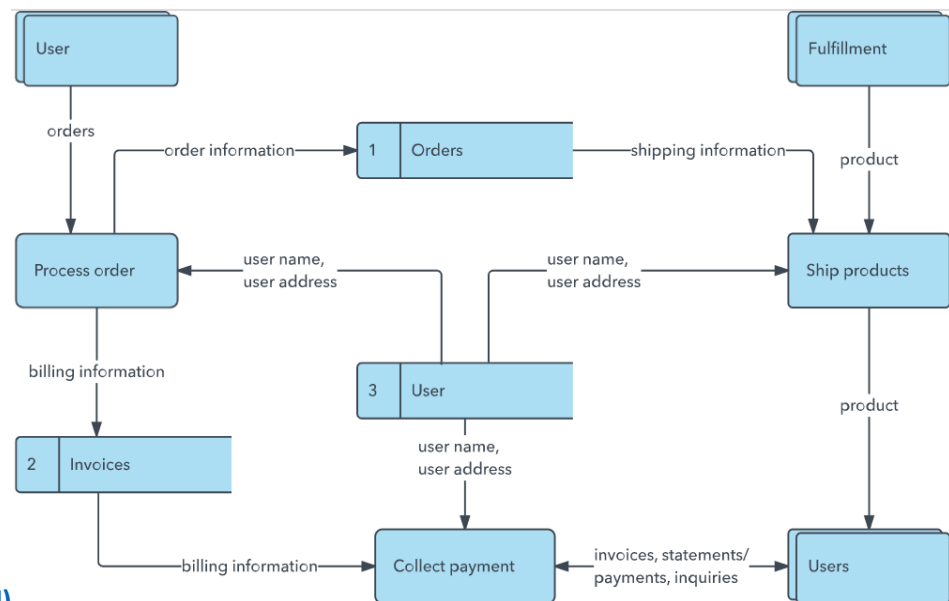
Example: (Simplified)

Flow
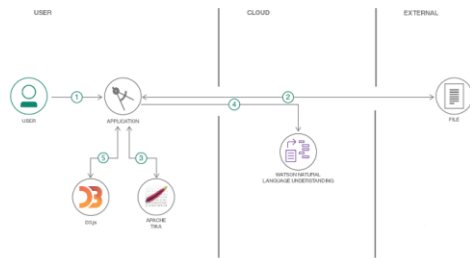
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

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
	Registration	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
	Social Registration	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
	Social Registration	USN-4	As a user, I can register for the		Medium	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			application through Gmail			
	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 upload an image to check whether the fruit/vegetable is healthy or rotten.	System predicts and displays the result (Healthy or Rotten) with confidence score.	High	Sprint-1
Customer (Web user)	Web Login & Dashboard	USW-1	As a web user, I can log in and test images through a browser dashboard.	I can upload images and receive predictions.	High	Sprint-1
Customer Care Executive	User Log Monitoring	USCC-1	As an executive, I can view and search user logs.	I can filter/search logs by user or date.	Medium	Sprint-2
Administrator	User Management	USA-1	As an admin, I can view, block, or delete user accounts.	I can take actions from the user management panel.	High	Sprint-1
	Model Update	USA-2	As an admin, I can update the machine learning model.	The new model is loaded and used after validation.	Medium	Sprint-2
	System Analytics	USA-3	As an admin, I can view analytics like usage stats and	I can view updated charts and stats.	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			model performance.			
	Support Ticket Monitoring	USA-4	As an admin, I can monitor and assign unresolved support tickets.	Tickets are visible with status and assigned agents.	Medium	Sprint-3