

Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2026TMIDS47501
Project Name	Strategic Product Placement Analysis
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.

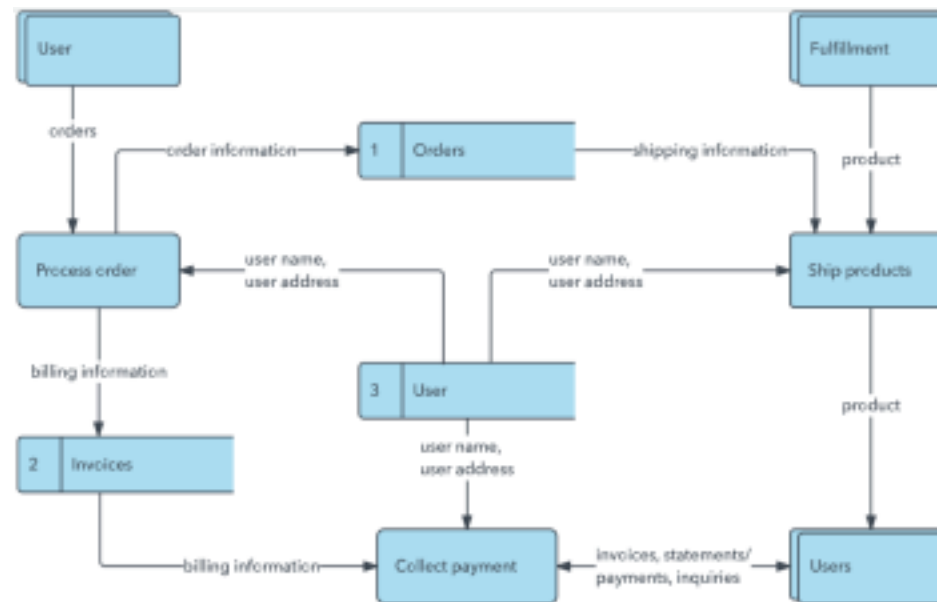
Example: [\(Simplified\)](#)

Example: DFD Level 0 (Industry Standard)

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

	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
	Login	USN-4	As a user, I can register for the application through Gmail	Valid credentials allow dashboard access.	Medium	Sprint-1
	Dashboard	USN-5	As a user, I can log into the application by entering email & password	Dashboard loads successfully with KPIs.	High	Sprint-1
Customer (Web User)	Dashboard	USN-6	As a user, I can apply filters to analyze data.	Dashboard updates dynamically based on filters.	High	Sprint-1
	Reports	USN-7	As a user, I can download reports in PDF/Excel format.	Reports generate without errors.	Medium	Sprint-2
Customer Care Executive	Query Handling	USN-8	As a support executive, I can view customer queries submitted through contact form.	Queries are visible in admin panel.	Medium	Sprint-2
	Response Management	USN-9	As a support executive, I can respond to customer issues.	Response is sent successfully to user email.	Medium	Sprint-2
Administrator	User Management	USN-10	As an admin, I can manage registered users.	Admin can activate/deactivate accounts.	High	Sprint-2
	Dataset Management	USN-11	As an admin, I can update sales dataset.	Updated data reflects in dashboard.	High	Sprint-2
	System Monitoring	USN-12	As an admin, I can monitor system logs and activity.	Logs are stored and viewable securely.	Medium	Sprint-2