

## Project Design Phase-II Data Flow Diagram & User Stories

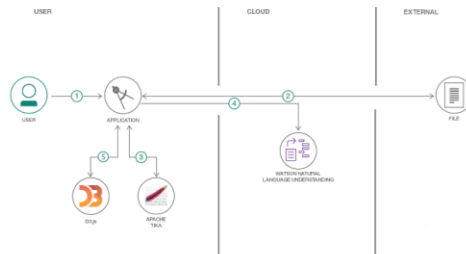
Date	31 January 2025
Team ID	LTVIP2025TMID50543
Project Name	Strategic Product Placement Analysis: Unveiling Sales Impact with Tableau Visualization
Maximum Marks	4 Marks

### 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.

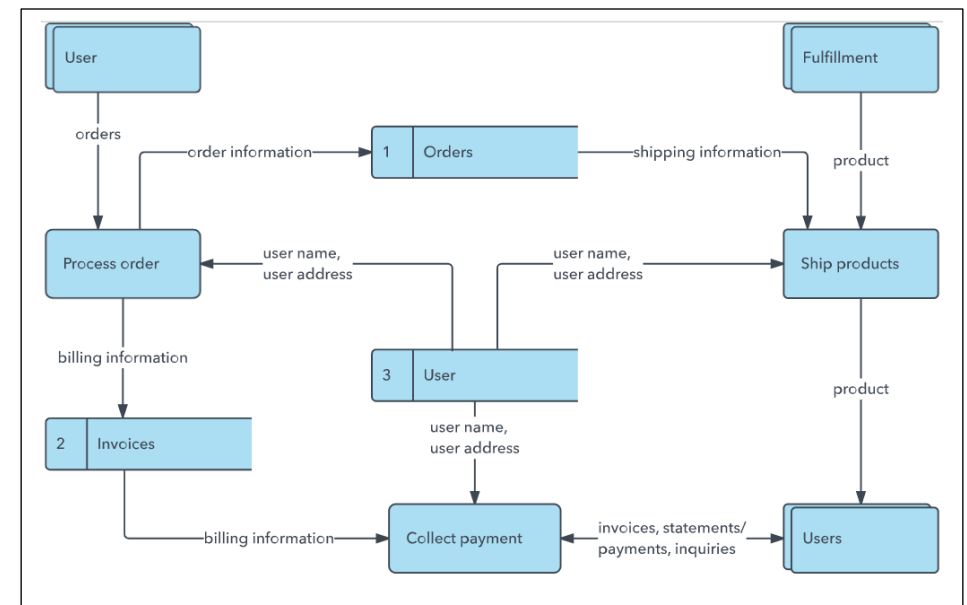
#### Example: (Simplified)

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

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
Customer (Mobile user)	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
Customer (Mobile user)	Login	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
Customer (Mobile user)	Login	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
Customer (Mobile user)	Login	USN-5	As a user, I can log into the application by entering email & password	I can access dashboard after successful login	High	Sprint-1
Customer (Web User)	Dashboard	USN-6	As a user, I can view product insights on the dashboard	Insights are displayed clearly with updated data	High	Sprint-2
Customer (Web user)	Product Filters	USN-7	As a web user, I can apply filters to view data by product category or time range	Filtered data updates on the screen instantly	Medium	Sprint-2
Customer Care Executive	User Support	USN-8	As a support agent, I can view and respond to user queries	Support tickets can be answered and marked resolved	High	Sprint-2
Administrator	User Management	USN-9	As an admin, I can create, edit, or delete user accounts	Admin actions reflect immediately on user access	High	Sprint-1
Administrator	Data Upload	USN-10	As an admin, I can upload new product data for visualization	Uploaded data shows up on dashboard	High	Sprint-2
Administrator	Audit Logs	USN-11	As an admin, I can review system logs and user activity history	Logs show complete history with timestamps	Medium	Sprint-3
Administrator	System Configuration	USN-12	As an admin, I can configure the dashboard layout (charts, filters, views)	Dashboard changes apply to all users and persist after logout	Medium	Sprint-3