Project Design Phase-II
Data Flow Diagram & User Stories

| Date	22-06-2025
Team ID	LTVIP2025TMID47723
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)

Example: DFD Level 0 (Industry Standard)
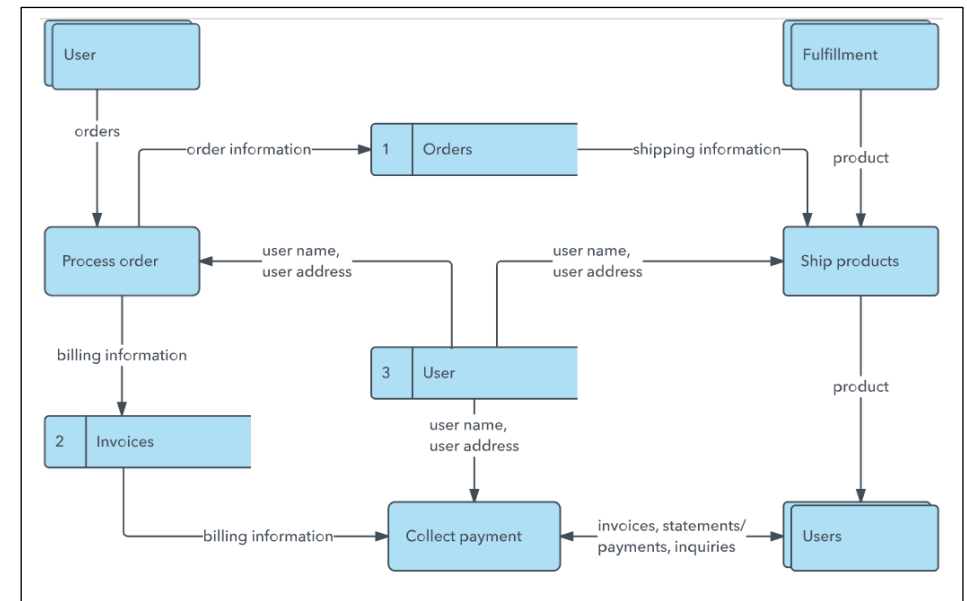
Flow
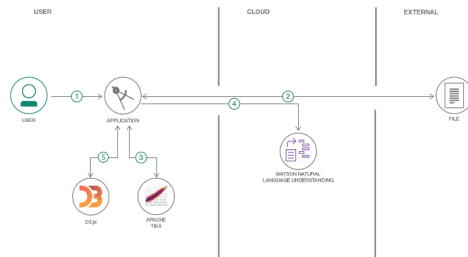
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using 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 new mobile user, I want to register quickly using my phone number so that I can access the app.	Registration completes with OTP verification in less than 1 minute.	High	R1
	Registration	USN-2	As a mobile user, I want the app to confirm my successful registration clearly.	User sees a success message and is redirected to onboarding tips.	Medium	R1
	Registration	USN-3	As a user, I want guidance during the registration process so that I don't feel confused.	Helpful tips/tooltips are shown during input steps.	High	R1
	Registration	USN-4	As a user, I want an error-free form with real-time validation so that I can avoid	Fields show validation messages instantly and prevent invalid	High	R1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
			mistakes.	inputs.		
	Login	USN-5	As a returning user, I want to log in using a simple and fast method (PIN or biometric).	Login using saved credentials, PIN, or biometric completes in < 10 seconds.	High	R1
	Dashboard	USN-6	As a mobile user, I want a dashboard with progress indicators and tips so that I stay motivated.	Dashboard displays user progress, tips, and goals clearly.	High	R2
Customer (Web user)	Dashboard	USN-7	As a web user, I want to view detailed usage analytics and feedback on the dashboard.	Dashboard loads within 3 seconds and displays charts/data clearly.	Medium	R2
Customer Care Executive	Support Handling	USN-8	As a support executive, I want to view and manage user queries easily to resolve issues faster.	Tickets can be filtered, responded to, and marked resolved.	High	R2
Administrator	System Monitoring	USN-9	As an admin, I want to monitor app performance, bugs, and user activity to keep the system healthy.	Dashboard shows system uptime, performance logs, and active user data.	High	R2