

Project Design Phase-II

Data Flow Diagram & User Stories

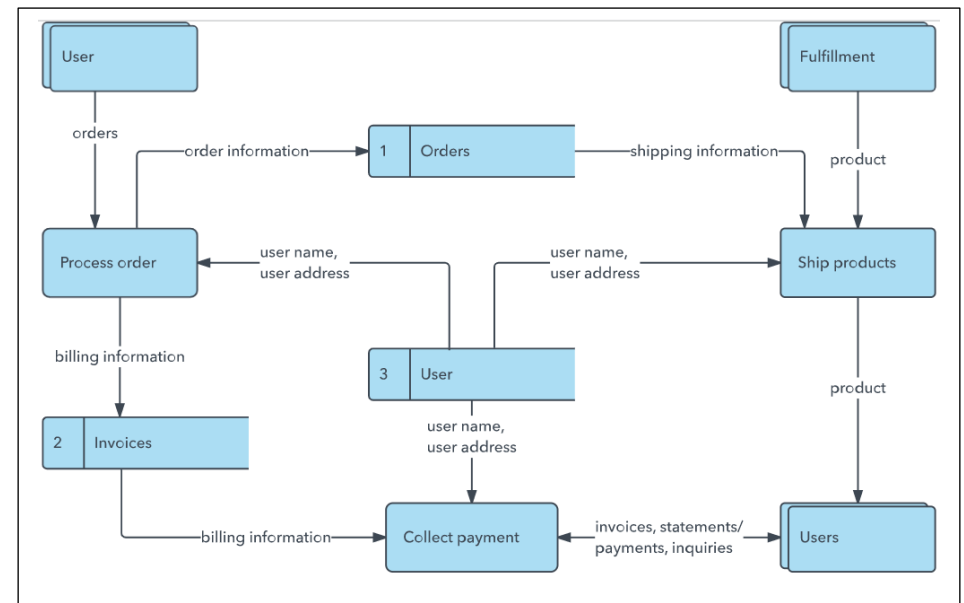
Date	12 June 2025
Team ID	LTVIP2025TMID33015
Project Name	Traffic Telligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	4 Marks

Data Flow Diagrams:

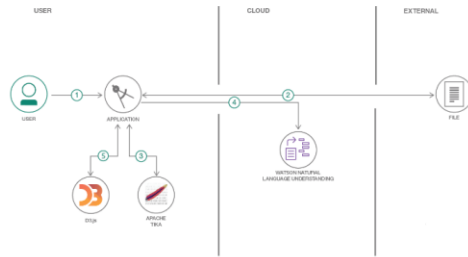
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example:

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
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)	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
Customer (Mobile user)	Login	USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Facebook Login	Medium	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Login	USN-5	As a user, I can log into the application by entering email & password	I can log in and access the dashboard	High	Sprint-1
Customer (Web user)	Dashboard	USN-6	As a user, I can log into the application by entering email & password.	Dashboard loads with profile and recent activity	Medium	Sprint-1
Customer (Web user)	Dashboard	USN-7	As a web user, I can update personal details from the dashboard.	Updates are saved and reflected immediately	High	Sprint-2
Customer Care Executive	Dashboard	USN-8	As a customer care executive, I can view and respond to customer queries from the dashboard.	I can access my account / dashboard	High	Sprint-3
Administrator	Dashboard	USN-9	As a customer care executive, I can view and respond to customer queries from the dashboard.	I can tag and escalate an issue, which notifies the admin	Medium	Sprint-3
Customer Care Executive	Dashboard	USN-10	As an administrator, I can view user activity logs.	Activity logs display filtered by date/user	High	Sprint-4
Administrator	Dashboard	USN-11	As an administrator, I can view user activity logs.	Changes are reflected in user access control	Medium	Sprint-4
Administrator	Dashboard	USN-12	As an administrator, I can view user activity logs.	Reports generate and download in PDF/Excel format	High	Sprint-4