

Project Design Phase-II Data Flow Diagram & User Stories

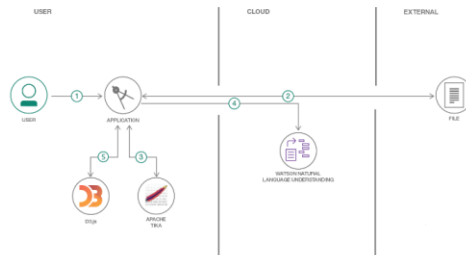
Date	24 June 2025
Team ID	LTVIP2025TMID59024
Project Name	Flight finder-navigating your air travel options
Maximum Marks	4 Marks

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.

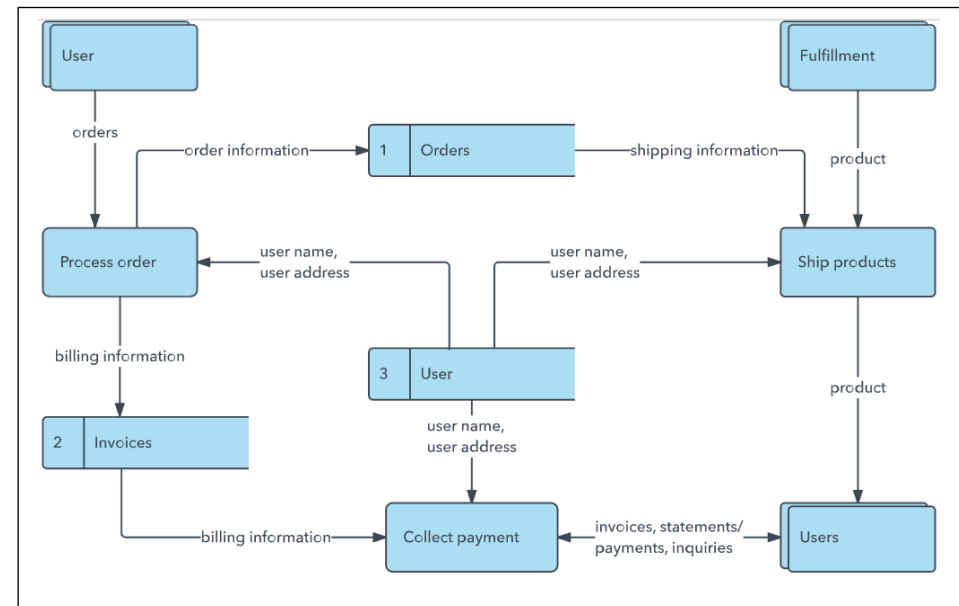
Example: [\(Simplified\)](#)

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)	Dashboard	USN-4	As a user, I can register for the application through Gmail	Flights are shown in an organized layout	Medium	Sprint-1
Customer (Mobile user)	Dashboard	USN-5	As a user, I can log into the application by entering email & password	Search results are displayed as per criteria	High	Sprint-1
Customer (mobile user)	Dashboard	USN-6	As a user, I can view details of selected flights from the list	Flight detail page loads with complete information	Medium	Sprint-2