

Project Design Phase-II Data Flow Diagram & User Stories

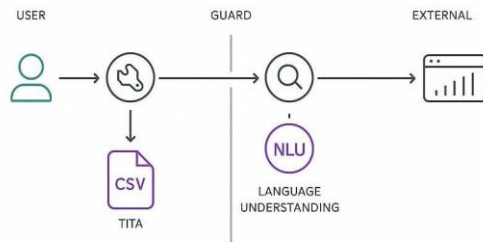
Date	31 January 2026
Team ID	LTVIP2026TMIDS24308
Project Name	iRevolution: A Data-driven Exploration of Apple's iPhone Impact in India using Tableau
Maximum Marks	4 Marks

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.

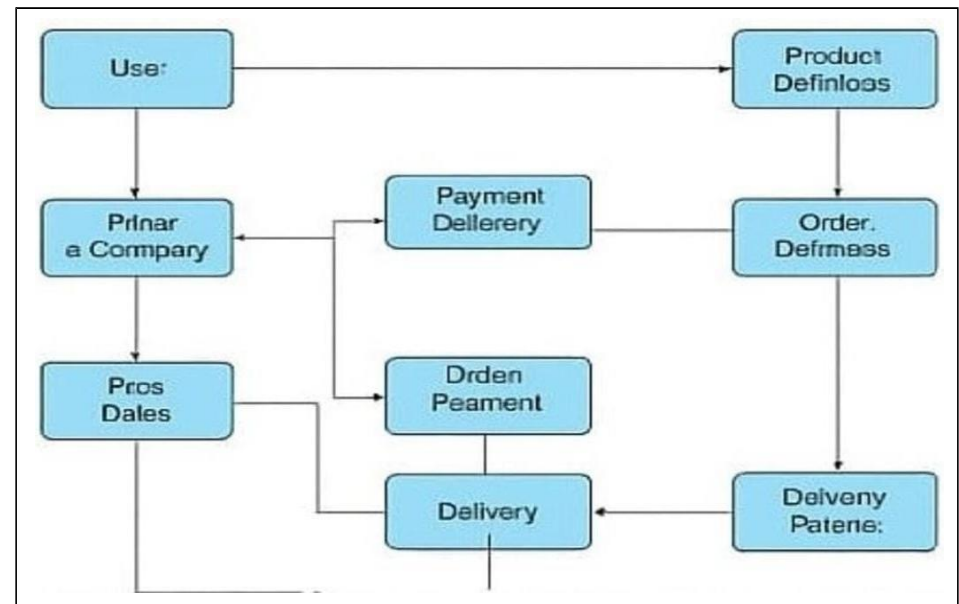
Example: [\(Simplified\)](#)

Flow



1. User configures credentials for Watson Natural Language Understanding service and starts 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	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (user)	Registration	USN-1	As a user. I want to register using email and password to access my account	I can create an account and view my dashboard	High	Sprint-1
Customer (user)	Product Browsing	USN-2	As a user. I want to filter phones by price, RAM rating.	I can view an account and proceed to purchase.	High	Sprint-1
	Filtering	USN-3	As a user. I want to filter phones by price, rating and brand.	I can confirm my account details	Medium	Sprint-2
Customer (user)	Placing	USN-5	As a user. I want to place iPhone models side by side to compare.	Products can be added, saved, or removed	High	Sprint-2
	Order Placement	USN-6	As a user. I want to place iPhone order side by side	I can confirm my order to proceed	Medium	Sprint-1
	Delivery	USN-7	As a user. I want to track my order after selecting on the app.	Products can be added, or removed	High	Sprint-2
Admin	Product Management	USN-10	As a user. Product management library handling	Products can be queried by size	High	Sprint-1
Customer Support	Query Handling	USN-11	Query Handling	Query staff are ready to handle	High	Sprint-1