

Project Design Phase-II

Data Flow Diagram & User Stories

Data Flow

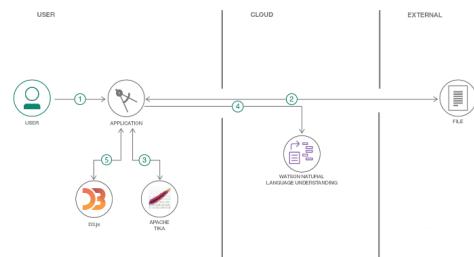
A Data Flow traditional visual the information system. A neat and depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Date	20 feb 2026
Team ID	LTVIP2026TMIDS37686
Project Name	irevolution: a data-driven exploration of apple's iphone impact in india using tableau
Maximum Marks	4 Marks

Diagrams:

Diagram (DFD) is a representation of flows within a clear DFD can

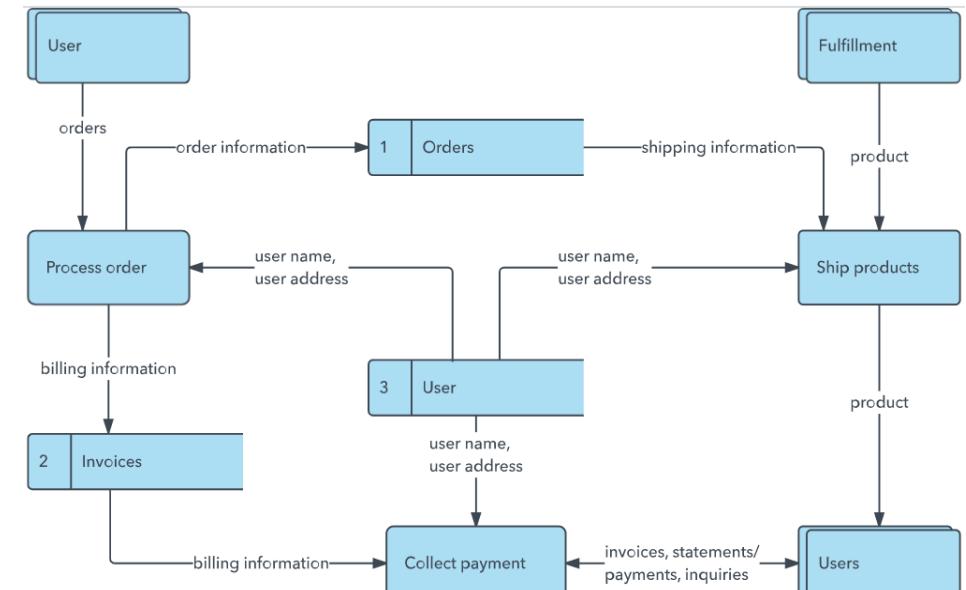
Flow



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:

(Simplified)



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
		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
		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
		USN-4	As a user, I can register for the application through Gmail	application using Gmail. I can register and access the dashboard using Gmail authentication	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can log in with valid credentials and see the dashboard.	High	Sprint-1
	Dashboard	USN-6	As a user, I can view my personalized dashboard after login.	Dashboard displays user name, profile info, and relevant data.	High	Sprint-2
Customer (Web user)	Registration	USN-7	As a web user, I can register through the website.	Account is created and verification email is sent.	High	Sprint-1
Customer Care Executive	User Management	USN-8	As a customer care executive, I can view registered users.	I can search, filter, and view user details.	Medium	Sprint-2

Administrator	System Management	USN-9	As an administrator, I can manage user roles and permissions accordingly.	Role changes update system access rights accordingly.	High	Sprint-2
Administrator	Reporting	USN-10	As an administrator, I can monitor login activity and suspicious attempts.	Reports can be viewed, filtered, and downloaded.	Medium	Sprint-3