

Project Design Phase-II Data Flow Diagram & User Stories

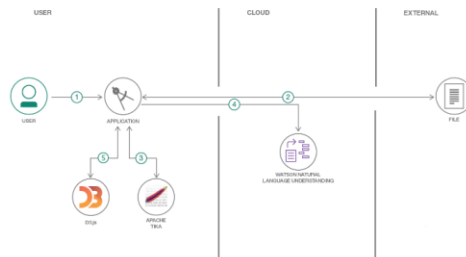
Date	27 June 2025
Team ID	LTVIP2025TMID49194
Project Name	Visualizing housing Market trends:An analysis of sale prices and features using tableau
Maximum Marks	4 Marks

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.

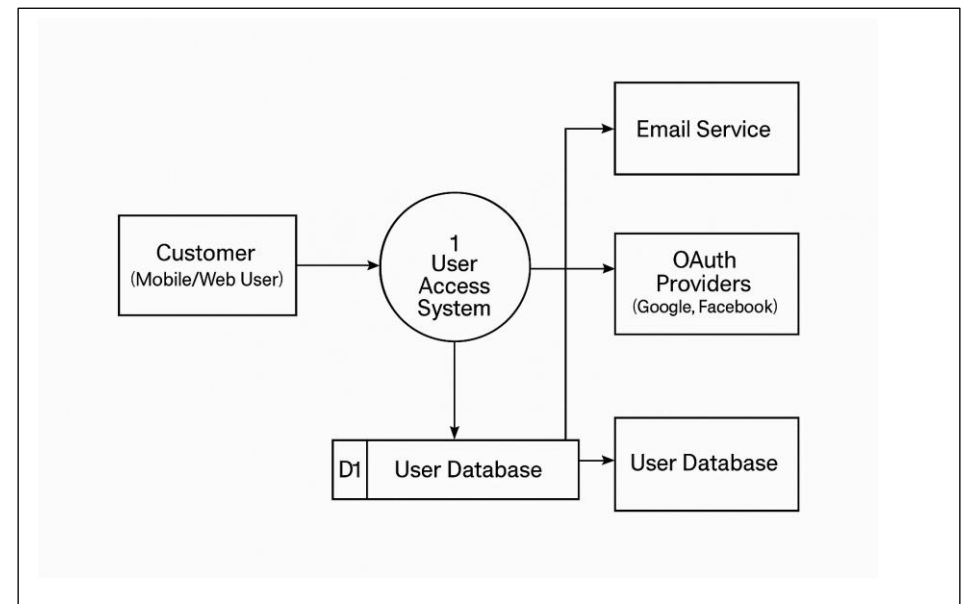
Example: [\(Simplified\)](#)

Flow



1. User configures credentials for 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 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 after successful registration.	High	Sprint-1
		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	I receive a confirmation email with a link, and on clicking, my account gets verified.	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook.	I can use Facebook login and get redirected to my dashboard.	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail.	I can use Gmail login and access my account without traditional registration.	Medium	Sprint-1
Login		USN-5	As a user, I can log into the application by entering email & password.	I can successfully log in and be directed to the user dashboard.	High	Sprint-1
Dashboard		(TBD)	(Define specific tasks like viewing orders, profile management, etc.)	(Define appropriate criteria once features are listed.)	(TBD)	(TBD)
Customer (Web user)	(TBD)	(TBD)	(Define stories related to web-based access, features, etc.)	(Define acceptance criteria)	(TBD)	(TBD)
Customer Care Executive	(TBD)	(TBD)	(Example: As a care executive, I can view and respond to customer queries.)	(Define criteria for system access and task handling)	(TBD)	(TBD)

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	(TBD)	(TBD)	(Example: As an admin, I can manage user roles and system settings.)	(Define criteria for admin privileges and operations)	(TBD)	(TBD)