

## Project Design Phase-II Data Flow Diagram & User Stories

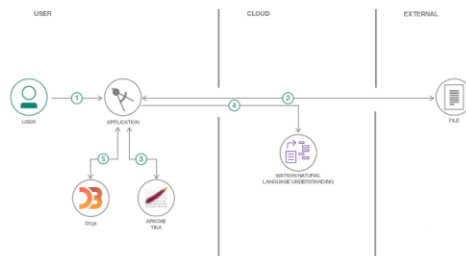
Date	27 June 2025
Team ID	LTVIP2025TMID49022
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

### 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.

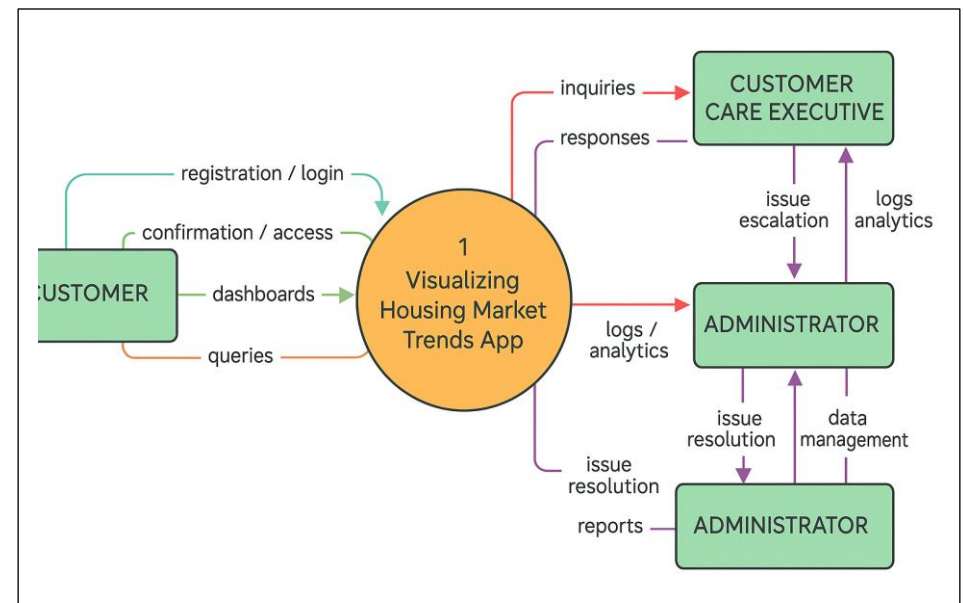
### Example: (Simplified)

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:



## 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	I can register & access the dashboard with Gmail login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can securely access my dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can view interactive dashboards of housing market trends	I can see charts on price trends, renovations, and features	High	Sprint-2
	Dashboard	USN-7	As a user, I can apply filters (e.g. location, price range, size) to the visualizations	I can filter results and see updated graphs	Medium	Sprint-2
Customer (Web user)	Dashboard	USN-8	As a web user, I can compare average sale prices by number of bedrooms	I can see a bar chart or table view comparing prices by bedrooms	Medium	Sprint-2
	Data Export	USN-9	As a web user, I can export visualizations to PDF or CSV	I can download data visualizations for offline use	Low	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer Care Executive	User Query Handling	USN-10	As a support executive, I can respond to user inquiries via chat or email	I can view and reply to queries in the system	Medium	Sprint-3
	Issue Escalation	USN-11	As a support executive, I can escalate unresolved issues to admins	Escalated issues are logged and notified to admin	High	Sprint-3
Administrator	User Management	USN-12	As an admin, I can manage (add/edit/delete) user accounts	I can access a user list and perform all actions securely	High	Sprint-1
	Dashboard Management	USN-13	As an admin, I can update or modify the data source for Tableau dashboards	I can add new data and see changes reflected in the dashboards	High	Sprint-2
	Analytics	USN-14	As an admin, I can monitor how often each dashboard is viewed or used	I can access usage metrics and visual trends of user activity	Medium	Sprint-3