Project Design Phase-II
Data Flow Diagram & User Stories

Date	26 June 2025
Team ID	LTVIP2025TMID51830
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4Marks

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.
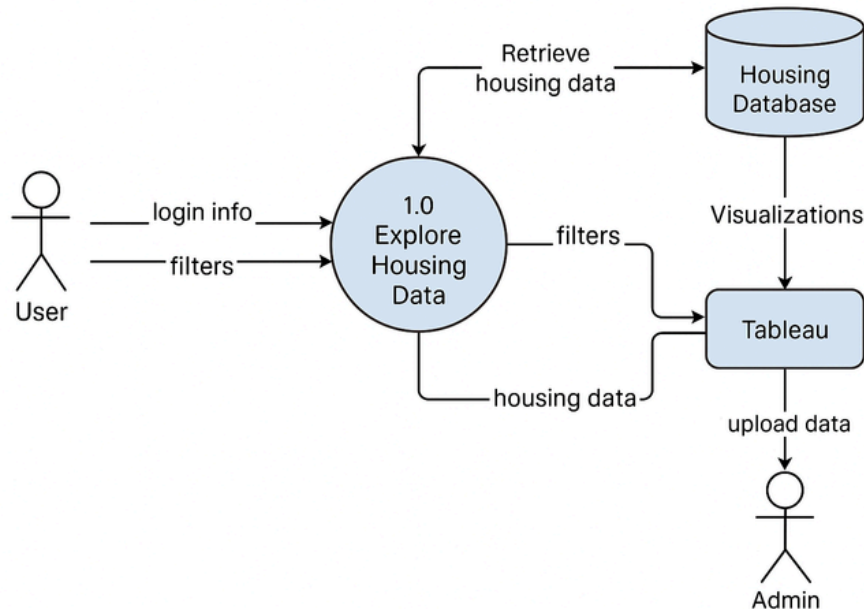
Data Flow Diagram (DFD)

Example: (Simplified)
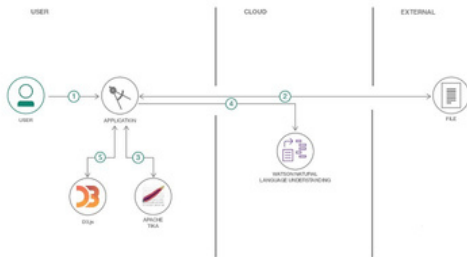
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

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 by entering email, password and confirming it	I can access the dashboard after successful registration	High	Sprint-1
Customer (Mobile user)	Confirmation	USN-2	As a user, I will receive a confirmation email with a link or OTP	I receive the confirmation link and successfully verify my account	High	Sprint-1
Customer (Mobile user)	Registration	USN-3	As a user, I can register using Facebook login	I can register and access dashboard via Facebook login	Low	Sprint-2
Customer (Mobile user)	Registration	USN-4	As a user, I can register using Gmail login	I can register and access dashboard via Gmail login	Medium	Sprint-1
Customer (Web user)	Login	USN-5	As a user, I can log in with my registered email and password	I can log in and navigate to my dashboard	High	Sprint-1
Customer (Web user)	Dashboard	USN-6	As a user, I can view sales data and charts filtered by renovationyear or house age	I can interact with and download visualizations	High	Sprint-2
Customer Care Executive	Usage Analytics	USN-8	As a CCE, I can view dashboards showing total house views or customer filters used	I get accurate usage metrics and patterns	Medium	Sprint-3