

Project Design Phase-II

Data Flow Diagram & User Stories

Date	19 june 2025
Team ID	LTVIP2025TMID50297
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.



- User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Data Analyst (Customer)	Data Upload	USN-1	As an analyst, I can upload the housing dataset to Tableau for analysis.	Dataset successfully uploaded	High	Sprint-1
Data Analyst (Customer)	Data Cleaning	USN-2	As an analyst, I can filter out missing or duplicate values from the data in Tableau.	Data is cleaned and validated	High	Sprint-1
Data Analyst (Customer)	Data Visualization	USN-3	As an analyst, I can create interactive dashboards showing housing sale price trends by region and features.	Dashboards display correct aggregated data	High	Sprint-2
Data Analyst (Customer)	Filters and Drill Down	USN-4	As an analyst, I can apply filters (e.g., by year, region, property type) to the dashboards	Filters work and update dashboards dynamically	Medium	Sprint-2
Data Analyst (Customer)	Sharing Reports	USN-5	As an analyst, I can publish and share Tableau dashboards with stakeholders	Stakeholders can access shared dashboards	High	Sprint-3
Administrator	User Access Management	USN-6	As an admin, I can manage user permissions to control who can view or edit dashboards	User permissions applied correctly	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Data Source Scheduling	USN-7	As an admin, I can schedule data source refreshes for the Tableau dashboards	Data source refreshes successfully on schedule	Medium	Sprint-3