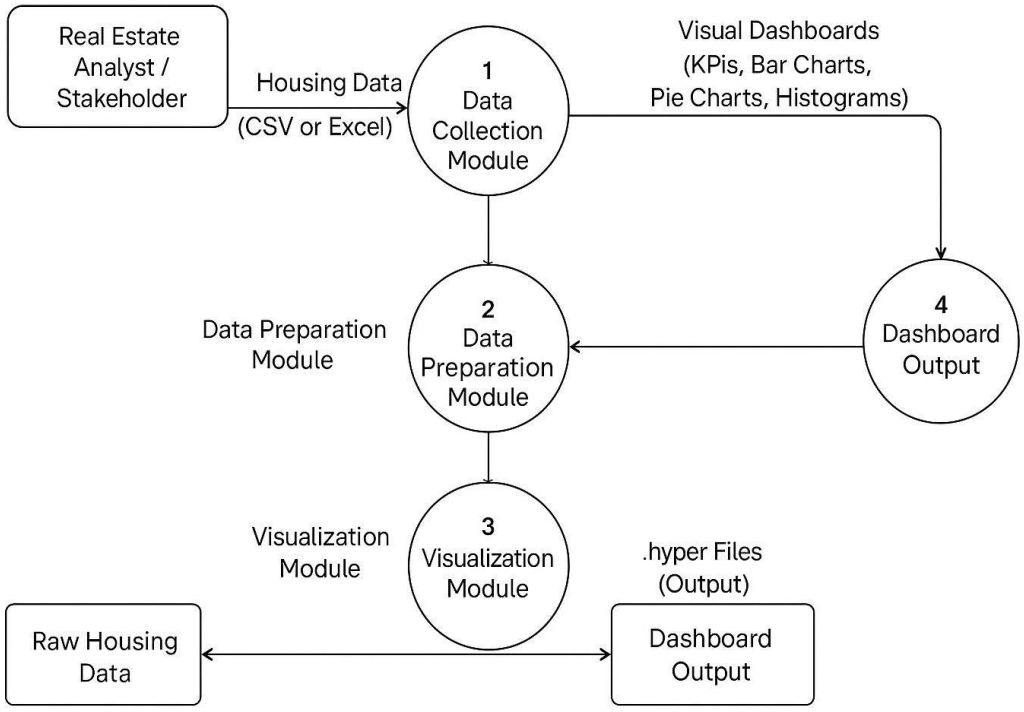
Project Design Phase-II

Data Flow Diagram & User Stories

Date	20-02-2026
Team ID	LTVIP2026TMIDS24217
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
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

Use the below table to define user stories for this project:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Analyst	Data Collection	USN-1	As an analyst, I want to upload the raw housing dataset to begin the data preparation process.	Dataset is uploaded successfully	High	Sprint-1
Analyst	Data Cleaning & Transformation	USN-2	As an analyst, I want to clean and filter the dataset using Tableau Prep for analysis.	Cleaned dataset is ready for export	High	Sprint-1
Stakeholder	Visualization – KPIs	USN-3	As a stakeholder, I want to see overall KPIs like average price and record count in the dashboard.	KPIs display correct values	High	Sprint-2
Stakeholder	Visualization – Renovation	USN-4	As a stakeholder, I want to compare renovation impact on sale prices using visualizations.	Histogram correctly shows renovation years vs sale prices	Medium	Sprint-2
Stakeholder	Visualization – Age Features	USN-5	As a stakeholder, I want to analyze house age against bathrooms, bedrooms, and floors.	Grouped bar chart displays counts accurately	High	Sprint-3
Manager	Dashboard Sharing	USN-6	As a manager, I want to download or share the dashboard	Dashboard is shareable via Tableau link or export	Medium	Sprint-4

			insights with my team.			