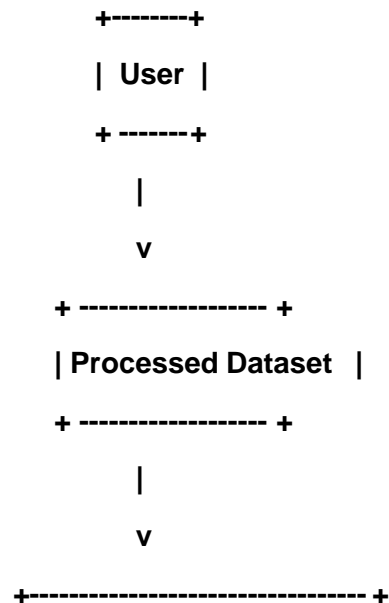


Project Design Phase-II Data Flow Diagram & User Stories

Date	25 June 2025
Team ID	LTVIP2025TMID47396
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

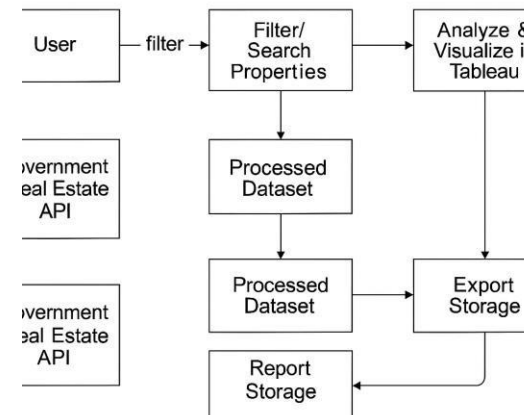
Data Flow Diagrams:

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.



picture :

Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau



| Tableau Visualization Dashboard |

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|

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| Insights & Decisions |

User Stories

Use the below template to list all the user stories for the product.

User Type: Data Analyst

Epic: Data Preparation

- **USN-1** – As a data analyst, I want to clean and transform the raw housing dataset so that it can be used in Tableau.
■ **Acceptance Criteria:** Dataset is ready with clean rows and encoded categories
^ **Priority:** High
👉 **Release:** Sprint-1

User Type: Customer (Web User)

Epic: Dashboard Insights

- **USN-2** – As a user, I want to explore average housing prices by location so I can make informed buying decisions.
■ **Acceptance Criteria:** Bar chart shows average prices with filters
^ **Priority:** High
👉 **Release:** Sprint-2
- **USN-3** – As a user, I want to compare area and price visually to find the best value homes.
■ **Acceptance Criteria:** Scatter plot displays data points clearly
◇ **Priority:** Medium
👉 **Release:** Sprint-3

User Type: Administrator

Epic: System Management

- **USN-4** – As an admin, I want to export visualizations for reporting.
 - **Acceptance Criteria:** Screenshots are downloadable and usable
 - ◆ **Priority:** Medium
 - 📦 **Release:** Sprint-4