Project Design Phase-II
Data Flow Diagram & User Stories

Date	23 June 2025
Team ID	LTVIP2025TMID50159
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 D FD 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.

Visualizing Housing Market Trends: DFD Level 0
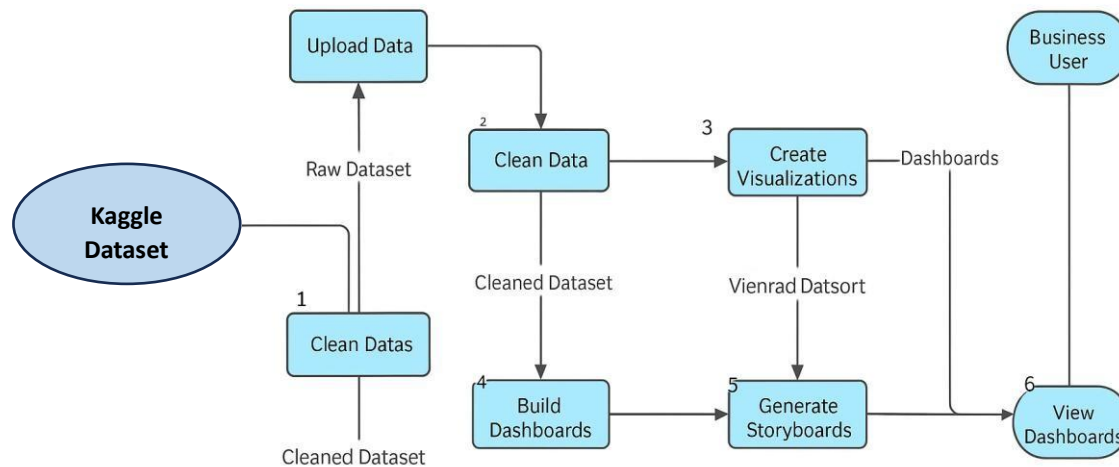
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Analyst	Data Upload	USN-1	As an analyst, I want to upload the Kaggle dataset to Tableau so I can begin analysing housing data.	Data is successfully imported into Tableau for use.	High	Sprint-1
Analyst	Data Cleaning	USN-2	As an analyst, I want to clean the dataset by removing missing values and irrelevant fields.	Cleaned dataset ready for visualization.	High	Sprint-1
Analyst	Visualization Creation	USN-3	As an analyst, I want to create visualizations showing sales by year since renovation.	Chart displays yearly sales trends clearly.	High	Sprint-1
Analyst	Dashboard Building	USN-4	As an analyst, I want to build dashboards with multiple filters to analyze age, renovation status, etc.	Dashboard is functional and interactive with required filters.	High	Sprint-2
Analyst	Storyboarding	USN-5	As an analyst, I want to create stories summarizing insights from the dashboard visualizations.	Stories present the findings effectively to stakeholders.	Medium	Sprint-2
Business User	View Dashboards	USN-6	As a business user, I want to view trends in housing prices and features through dashboards.	I can navigate and interpret dashboards without technical help.	High	Sprint-2
Business User	Make Informed Decisions	USN-7	As a business user, I want to analyze trends to make better investment decisions.	I can identify useful trends (e.g., age vs. price) to guide decisions.	Medium	Sprint-2