Project Design Phase-II
Data Flow Diagram

Date	25 June 2025
Team ID	LTVIP2025TMID48466
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.
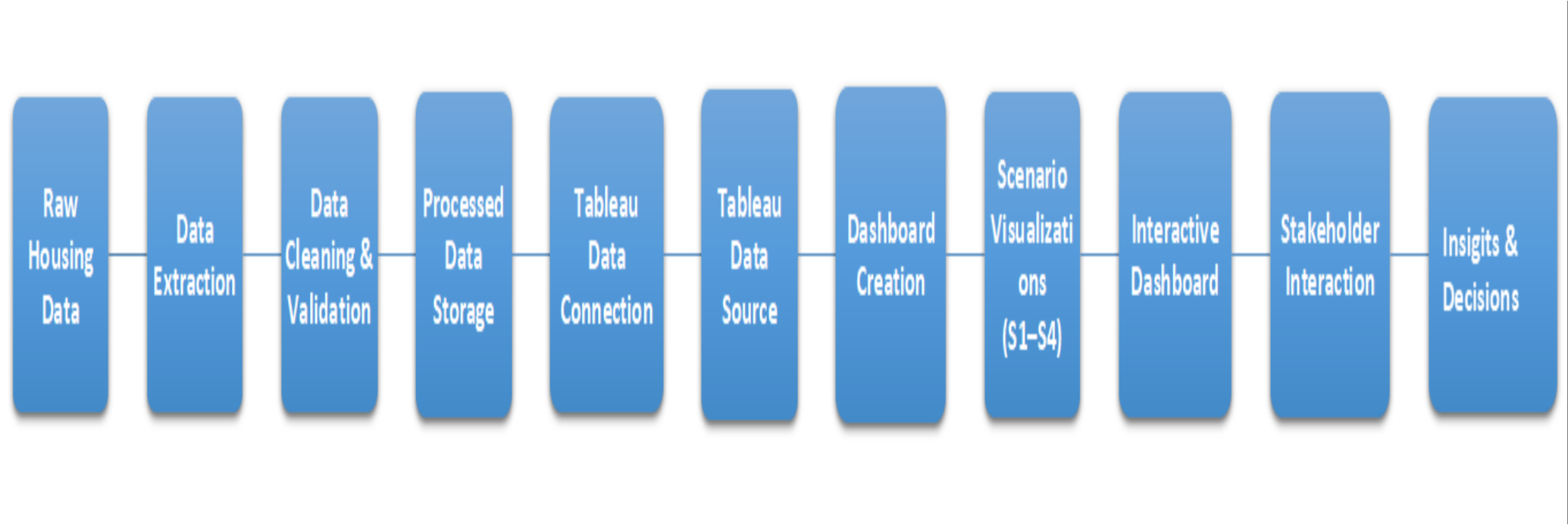
FLOW:

- Upload housing data
- Read data from CSV
- Remove errors, fill missing values,validate formats
- Save the cleaned and validated data
- Connect Tableau to the stored data
- Define data fields and structure for Tableau
- Build visualizations and layout in Tableau
- Create specific views
- Enable filters, tooltips, interactions
- Users explore and analyze the dashboard
- Make informed decisions based on data

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)	Data Visualization	USN-1	As a user, I can view a dashboard of housing trends	I can see KPIs like average sale price and total records	High	Sprint-1
Customer (Mobile user)	Data Visualization	USN-2	As a user, I can filter housing data by zipcode	I can select a zipcode group and see updated trends	Medium	Sprint-2
Customer (Web user)	Data Analysis	USN-3	As a user, I can download a detailed housing report	I can download a CSV with filtered data	Low	Sprint-3
Customer (Web user)	Data Interaction	USN-4	As a user, I can explore house age by renovation status	I can view a pie chart with age and renovation data	High	Sprint-1
Administrator	Data Management	USN-5	As a user, I can upload updated housing data	I can upload a new CSV and refresh the dashboard	High	Sprint-1
Administrator	Data Validation	USN-6	As a user, I can validate data integrity	I can check for missing values and inconsistencies	Medium	Sprint-2