

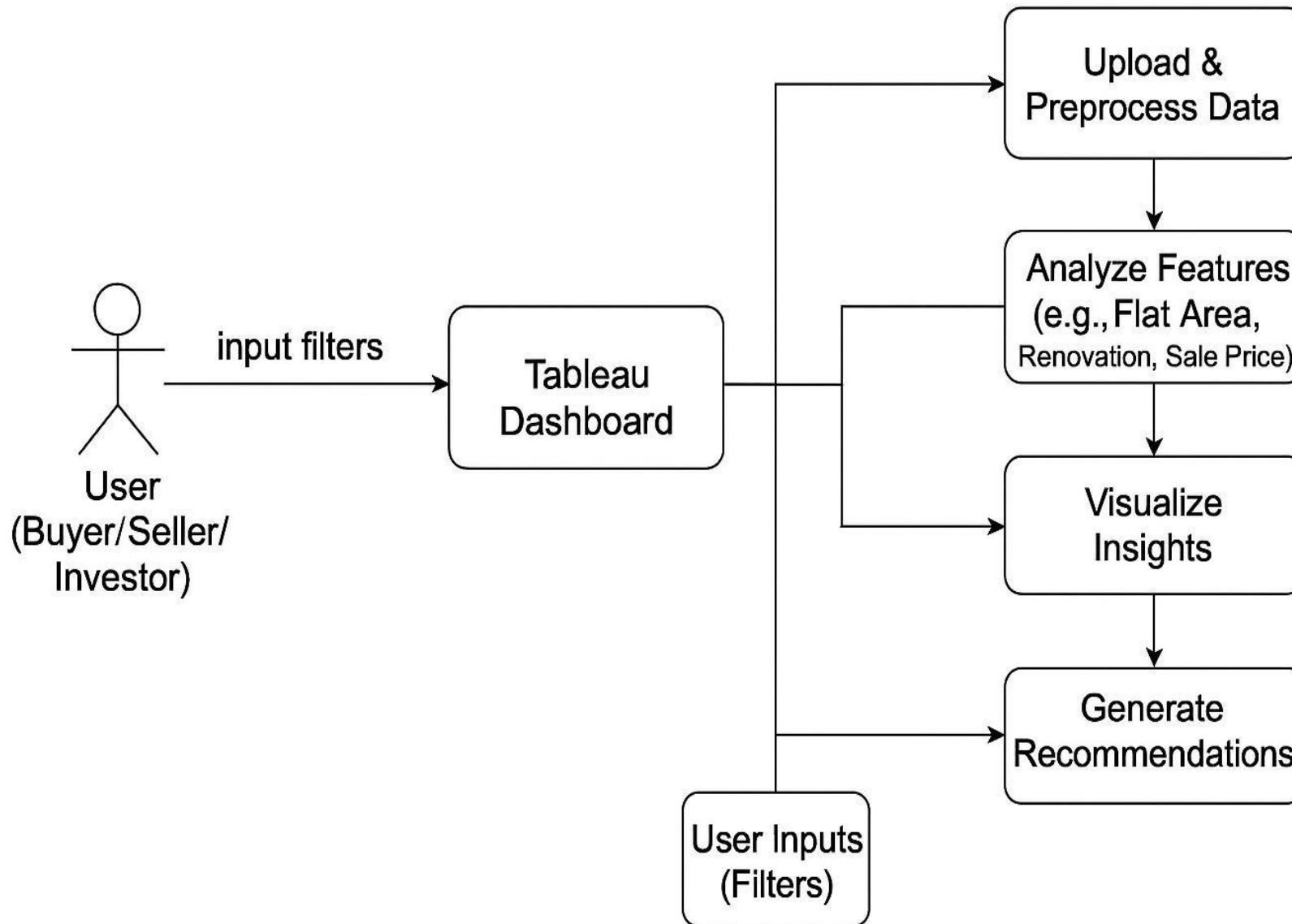
Project Design Phase-II
Data Flow Diagram & User Stories

Date	26 June 2025
Team ID	LTVIP2025TMID48073
Project Name	visualizing housing market trends
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.

DATA FLOW DIAGRAM (LEVEL 0 – CONTEXT LEVEL)



User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Analyst/User	Data Upload & Exploration	USN-1	As a user, I want to upload housing data to explore trends using Tableau dashboards.	Data upload succeeds, visualization is populated	High	Sprint-1
Analyst/User	Filtering and Custom View	USN-2	As a user, I want to filter the charts by area, renovation, and age of house.	Charts change based on selected filters	High	Sprint-1
Buyer/Investor	Understand Sale Price Trends	USN-3	As a user, I want to see what house features most impact price (area, waterfront, renovation).	Trend line and chart visuals show this clearly	High	Sprint-1
Developer	Insights Summary	USN-4	As a user, I want a KPI dashboard that summarizes record count, avg. price, and basement area.	Display of 3 clean KPIs on top of the dashboard	Medium	Sprint-2
Buyer	Get House Recommendations	USN-5	As a buyer, I want recommendations for house types that suit my criteria.	Data-driven suggestions visible based on selected input	Medium	Sprint-2