

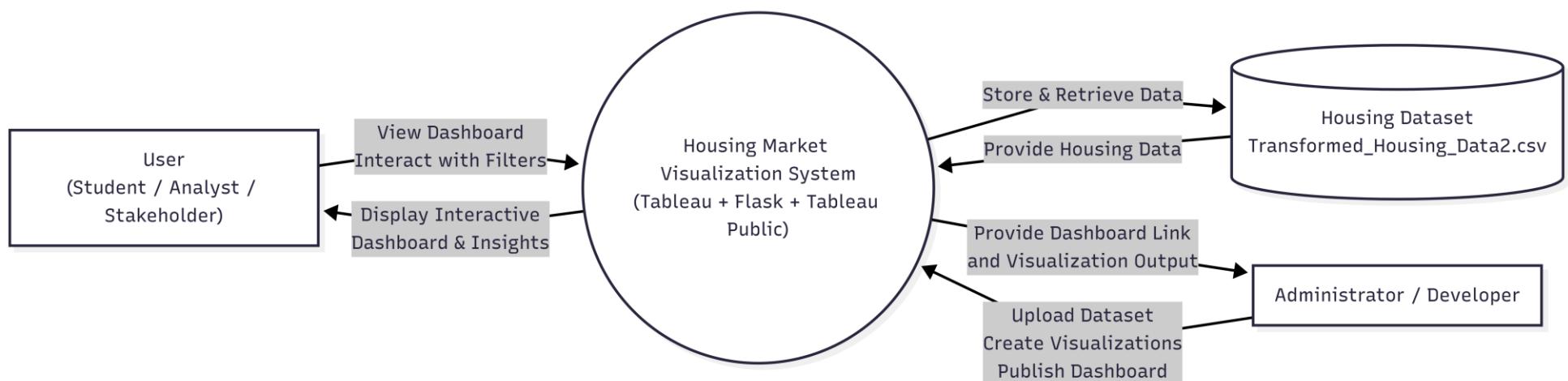
## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	31 January 2026
Team ID	LTVIP2026TMIDS28502
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

#### **Data Flow Diagrams:**

The DFD shows how data enters the system as a CSV dataset, how Tableau Desktop processes the data to generate visualizations, and how dashboards are published to Tableau Public for user access.



#### **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
Student / Data Analyst	Dataset Loading	USN-1	As a user, I can load the housing dataset into Tableau Desktop for analysis	Dataset is successfully loaded and visible in Tableau	High	Sprint-1
Student / Data Analyst	Data Visualization	USN-2	As a user, I can create visualizations such as charts and KPI indicators using Tableau	Visualizations are created and display correct data	High	Sprint-1
Student / Data Analyst	Dashboard Creation	USN-3	As a user, I can create an interactive dashboard combining multiple visualizations	Dashboard displays all visualizations correctly	High	Sprint-1
Student / Data Analyst	Story Creation	USN-4	As a user, I can create a Tableau Story to present insights step-by-step	Story is created and shows visualizations in sequence	Medium	Sprint-1
Student / Data Analyst	Dashboard Publishing	USN-5	As a user, I can publish the dashboard to Tableau Public	Dashboard is accessible via public link	High	Sprint-1
Web User / Stakeholder	Dashboard Viewing	USN-6	As a user, I can view the housing market dashboard through a web browser	Dashboard loads and displays correctly	High	Sprint-1
Web User / Stakeholder	Dashboard Interaction	USN-7	As a user, I can interact with dashboard filters and visualizations	Filters and visualizations respond correctly	Medium	Sprint-1
Administrator / Developer	Web Integration	USN-8	As a developer, I can integrate the Tableau dashboard into a Flask web application	Dashboard is embedded and accessible via web interface	High	Sprint-2
Administrator / Developer	Dashboard Update	USN-9	As a developer, I can update dataset and republish dashboard when needed	Updated dashboard reflects new data	Medium	Sprint-2

