

Project Design Phase-II

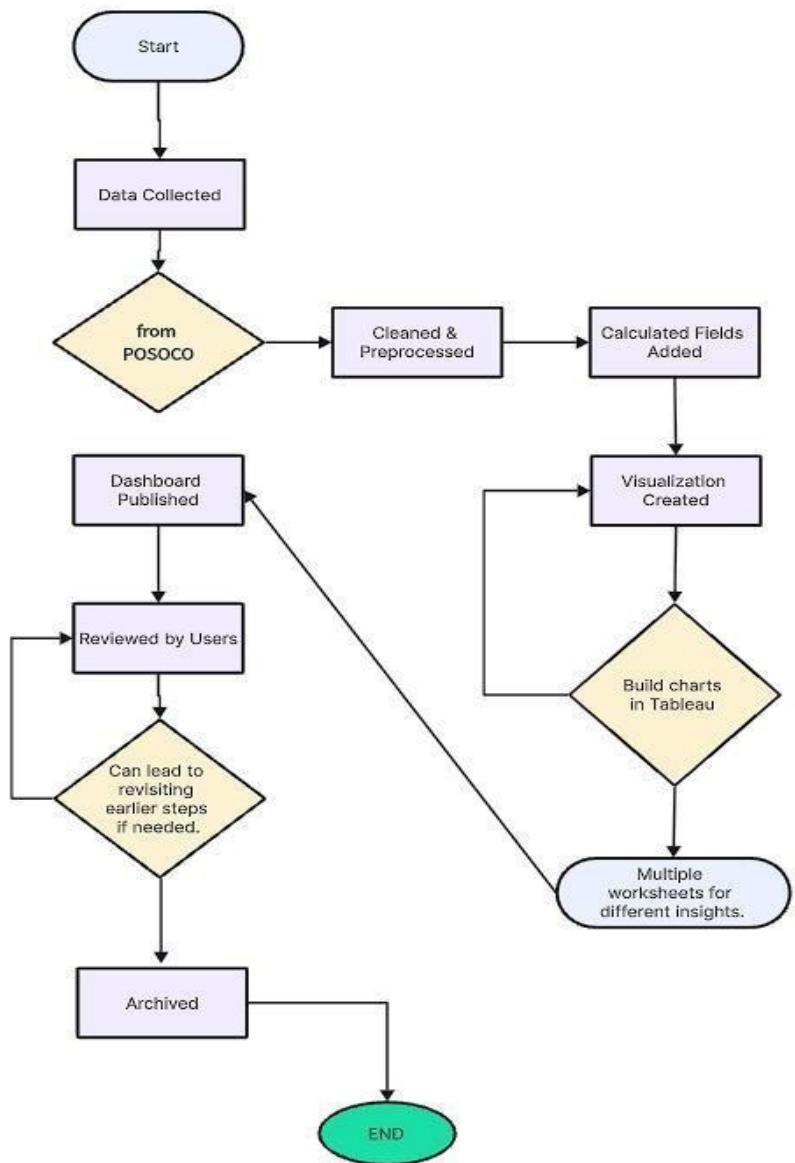
Data Flow Diagram & User Stories

Date	01-02-2026
Team ID	LTVIP2026TMIDS24955
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.

1. **Data collected** from POSOCO in CSV format.
2. **Cleaned and transformed**, with calculated fields like Year and Lockdown.
3. **Visualizations built** in Tableau using multiple worksheets.
4. **Users review** the dashboard and may request changes.
5. **Final version archived** after approval.



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Real Estate Analyst	View Market Trends	USN-1	As a user, I want to view housing price trends by year and renovation status so I can identify market patterns.	I can filter charts by renovation year, house age, and sale price.	High	Sprint-1
Marketing Strategist	Compare Feature Trends	USN-2	As a user, I want to compare house features (bedrooms, floors, bathrooms) and their impact on pricing	I can view grouped bar and pie charts by feature categories	Medium	Sprint-1
Executive / Manager	Export Reports	USN-3	As a user, I want to export dashboards for reports and presentations.	I can download dashboard views as PDFs or images.	High	Sprint-2
Housing Data Analyst	Monitor Renovation Impact	USN-4	As a user, I want to analyze how renovation age impacts price.	I can view bar and scatter plots showing renovation vs. pricing	High	Sprint-2
Developer	Connect Data	USN-5	As a user, I want to automate data refresh from Excel or Google Sheets.	Data refreshes automatically or can be updated easily.	Medium	Sprint-2
Business Analyst	Compare Yearly Sales	USN-6	As a user, I want to compare total sales by year.	I can view line or area charts showing yearly sales.	Low	Sprint-3