Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	25 june2025
Team ID	LTVIP2025TMID51407
Project Name	Visualizing Housing Marketing Trends:An Analysis of Sales prices And Features Tableau
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
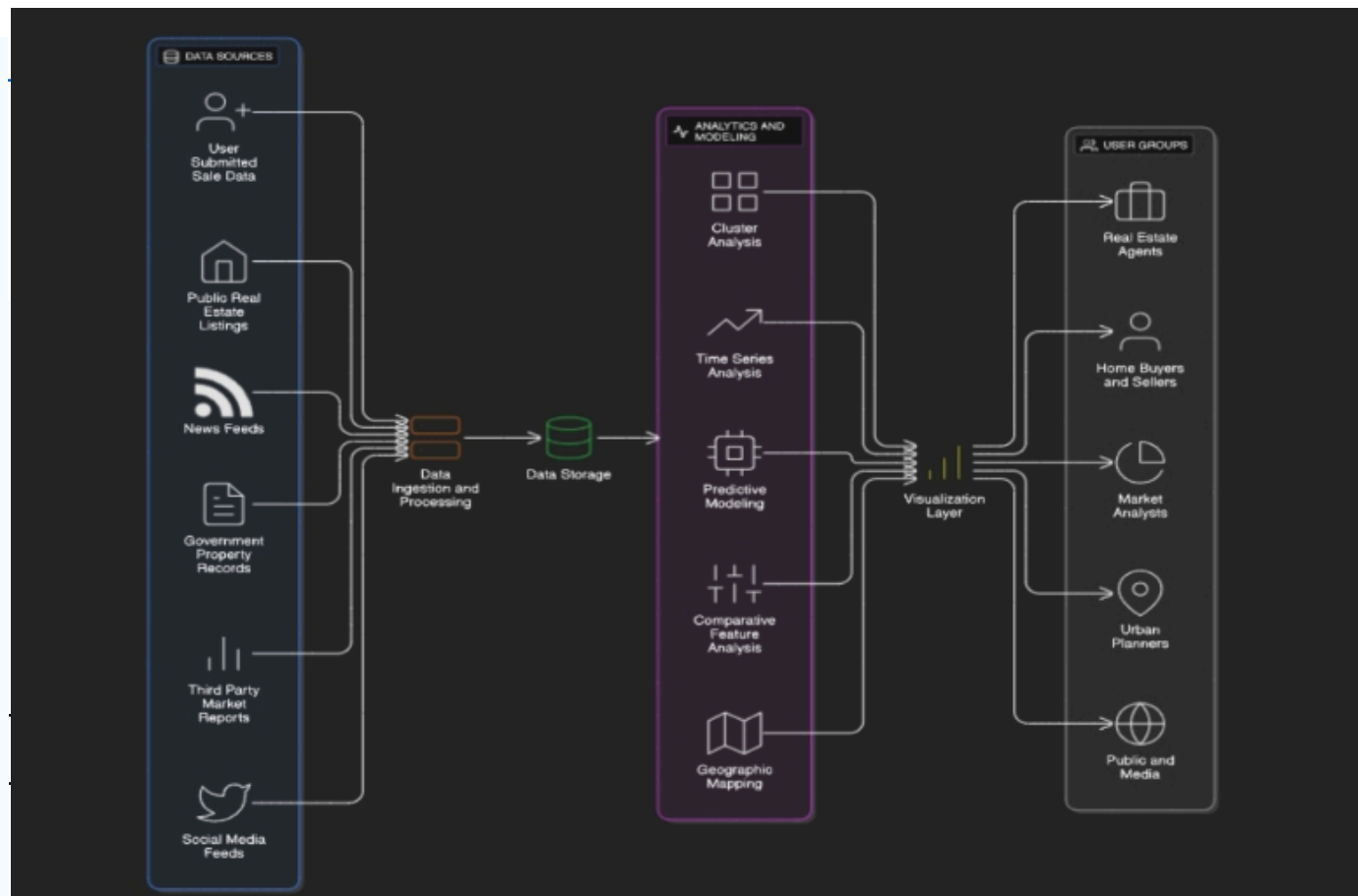
S.No	Component	Description	Technology
1.	User Interface	Dashboard for users to view insights	Tableau Dashboard (Public)
2.	Application Logic-1	Data cleaning and preparation	Tableau Desktop
3.	Application Logic-2	Data visualization and interactive filtering	Tableau Desktop Calculated FieldS
4.	Database	Storage of housing data	CSV file
5.	File Storage	Saving datasets	Local Drive
6.	Infrastructure	Where it runs	Local PC / Tableau Public / Tableau Server

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Security Implementations	Controls access to dashboard	Tableau Public Server
2.	Scalable Architecture	Can add new data sources or dashboards easily	Tableau Server
3.	Performance	Fast dashboard load using extracts and filtering	Tableau Extracts
4.	Availability	Always online if published to Tableau Public	Tableau Public

S.No	Characteristics	Description	Technology
5.	Usability	Easy for stakeholders to view and interact with the dashboard	Interactive Tableau Dashboards