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

Date	15 FEB 2026
Team ID	LTVIP2026TMIDS47436
Project Name	visualizing housing market trends: an analysis of sale prices and features using tableau
Maximum Marks	4 Marks

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web-based dashboards for viewing and interaction	Tableau Public
2.	Application Logic-1	Data preprocessing and transformation workflows	Tableau Prep Builder
3.	Application Logic-2	Interactivity using filters, parameters, and actions	Tableau Filters, Parameters, Actions
4.	Dashboard/Story Logic	Logical flow of insights using story features	Tableau Story Feature
5.	Data Source	Flat files used as housing market datasets	CSV

S.No		Description	
6.	File Storage	Housing datasets stored locally	Local File System / Google Drive

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	yes	Tableau Public
2.	Security Implementations	N/A	N/A
3.	Scalable Architecture	Can scale by publishing to Tableau Cloud for wider access	Tableau Public
4.	Availability	Dashboards available online 24/7	Tableau Public
5	Performance	Good \ Better performance	Tableau Public

Technical Architecture:

TABLEAU
SERVICES

CSV
/EXCEL
FILE

1

Step 1: Import

PREP
BUILDER

Step 2: Data Cleaning

Data Cleaning

2

TABLEAU
PUBLIC

3

Step 3: Importing

DATA
VISUALIZATION

Step 4

4

5

Step 5

DASHBOARD

STORY

6

Steps 6 7

7

WEB
PUBLICATION