

Requirement Analysis Document

Project Title: Housing Trends Analysis using Tableau Dashboard

1. Introduction

This document describes the requirements needed to develop the Housing Trends Analysis Dashboard. The purpose of this project is to convert raw housing data into meaningful visual insights using Tableau.

2. Functional Requirements

- The system should load the housing dataset into Tableau.
- The system should display housing price distribution using bar charts.
- The system should show house age distribution using pie charts.
- The system should display key values using KPI cards.
- The system should allow users to view different sheets and dashboard.
- The system should combine multiple sheets into one dashboard.
- The system should present clear and interactive visualizations.
- The system should allow easy understanding of housing trends.

3. Non-Functional Requirements

- The system should be easy to use.
- The dashboard should load quickly.
- The system should display accurate data.
- The dashboard should be visually clear and attractive.
- The system should be reliable and error-free.

4. Hardware Requirements

- Computer or Laptop
- Minimum 4 GB RAM
- Minimum 10 GB free storage
- Processor: Intel i3 or above

5. Software Requirements

- Operating System: Windows 10 or above
- Tableau Public or Tableau Desktop

- Web Browser (Chrome, Edge, or Firefox)
- Dataset in CSV or Excel format

6. User Requirements

- User should be able to view the dashboard.
- User should understand housing trends easily.
- User should see price distribution clearly.
- User should view summary values quickly.

7. System Requirements

- The system should process housing data.
- The system should generate visual charts.
- The system should display dashboard correctly.
- The system should provide accurate insights.