**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID50347 |
| 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 |
| 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:**

