**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID47530 |
| Project Name | Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Data Upload | Upload housing dataset (CSV, Excel) |
| FR-4 | Dashboard visualization | Show Bar, Pie, Line, Stacked Bar, and Bubble Charts |
| FR -5 | Export &Share | Export dashboard as image or PDF, share Tableau link |
|  |  |  |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The dashboard must have a user-friendly, intuitive design |
| NFR-2 | **Security** | Ensure data protection and restricted access |
| NFR-3 | **Reliability** | Dashboard should work consistently without crashes |
| NFR-4 | **Performance** | |  | | --- | | Load dashboard within 5 seconds for 10,000 records |  |  | | --- | |  | |
| NFR-5 | **Availability** | Accessible on Tableau Desktop & Public |
| NFR-6 | **Scalability** | Support datasets up to 1 million records |