

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

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|---------------|--|
| Date          | 27 February 2026   |
| Team ID       | LTVIP2026TMIDS49293  |
| Project Name  | Visualizing Housing Market Trends: An Analysis of Sales Price and Features Using Tableau |
| Maximum Marks | 2 Marks  |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task)       |
|--------|-------------------------------|--|
| FR-1   | Data Collection               | Import housing dataset (CSV/Excel)       |
| FR-2   | Data Cleaning                 | Handle missing values, remove duplicates |
| FR-3   | Data Preparation              | Create calculated fields, filters        |
| FR-4   | Feature Analysis              | Compare price vs location, size, rooms   |
| FR-5   | Interactive Dashboards        | Filters for location, price range        |
| FR-6   | Visualization Creation        | Bar charts, line charts, maps            |
| FR-7   | Insight Generation            | Identify key price influencing factors   |
| FR-8   | Dashboard Publishing          | Share Tableau dashboard online           |
| FR-9   | User Interaction              | View, filter, explore insights           |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description   |
|--------|----------------------------|---|
| NFR-1  | <b>Usability</b>           | Dashboards should be easy to understand with clear charts and filters |
| NFR-2  | <b>Security</b>            | Housing dataset should be protected from unauthorized modifications   |
| NFR-3  | <b>Reliability</b>         | Visualizations should consistently show correct data insights         |
| NFR-4  | <b>Performance</b>         | Dashboard should load and respond quickly to user interactions        |
| NFR-5  | <b>Availability</b>        | Tableau dashboard should be accessible whenever required              |
| NFR-6  | <b>Scalability</b>         | Dashboard should support additional housing data in the future        |