

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

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Data Upload	Upload dataset (CSV/Excel) Validate file type/format
FR-2	Data Cleaning & Preparation	Handle missing/null values Create calculated fields
FR-3	Visualization	Generate charts: house age, renovation, features
FR-4	Dashboard Interaction	Add filters (year, bedrooms) Allow download/export
FR-5	Dashboard Testing	Test load time and performance Verify filter responsiveness
FR-6	Dashboard Publishing	Publish on Tableau Public Enable embed/share features

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Dashboard must be user-friendly, with clear navigation and interactive filters
NFR-2	<b>Security</b>	Uploaded data must be protected from unauthorized access
NFR-3	<b>Reliability</b>	System should display accurate and consistent visualizations
NFR-4	<b>Performance</b>	Dashboards should load within 2 seconds with filters applied
NFR-5	<b>Availability</b>	Dashboard should be accessible online 24/7 via Tableau Public
NFR-6	<b>Scalability</b>	The system must support future data expansion or new visualization requirements