

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

Date	25 February 2026
Team ID	LTVIP2026TMIDS66023
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 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 & Storage	The system should support importing data from CSV files.
FR-2	SQL Query Execution	Filtered data must be retrievable by category or region.
FR-3	Tableau Integration with Database	MySQL database must be connectable with Tableau Desktop.
FR-4	Data Visualization	Generate bar, pie, area, and line charts.
FR-5	Dashboard Creation	Combine multiple sheets into an interactive dashboard.
FR-6	Story Design & Sharing	Build a Tableau Story with at least 4 scenes.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should be user-friendly with intuitive navigation and clear visuals.
NFR-2	Security	Data shared on Tableau Public must exclude sensitive information; use extracts.
NFR-3	Reliability	The system should maintain consistent operation without errors or broken links.
NFR-4	Performance	Dashboards and stories should render within 3 seconds for optimal user experience.
NFR-5	Availability	Visualizations should be accessible online 24/7 via Tableau Public.
NFR-6	Scalability	The solution should support more data (e.g., new years, product lines, regions).