

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

Date	25 June 2025
Team ID	LTVIP2025TMID59613
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	<b>Usability</b>	The system should be user-friendly with intuitive navigation and clear visuals.
NFR-2	<b>Security</b>	Data shared on Tableau Public must exclude sensitive information; use extracts.
NFR-3	<b>Reliability</b>	The system should maintain consistent operation without errors or broken links.
NFR-4	<b>Performance</b>	Dashboards and stories should render within 3 seconds for optimal user experience.
NFR-5	<b>Availability</b>	Visualizations should be accessible online 24/7 via Tableau Public.
NFR-6	<b>Scalability</b>	The solution should support more data (e.g., new years, product lines, regions).