

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

Date	02 July 2025
Team ID	LTVIP2025TMID51129
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 Integration	Extract, clean, and store toy manufacturing data in a database
FR-2	SQL Backend	Perform SQL operations for filtering and querying data
FR-3	Interactive Dashboard	Create visualizations using Tableau (bar, pie, map, line, histogram)
FR-4	Story Creation	Develop multi-scene Tableau story for business insights
FR-5	Web Deployment	Integrate Tableau dashboard into a Flask web application
FR-6	Export Options	Allow users to download or capture visual insights

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboard interface is user-friendly and intuitive for non-technical users.
NFR-2	Security	User and data access is secure via role-based access and database controls.
NFR-3	Reliability	The solution consistently loads data and charts without crashes or errors.
NFR-4	Performance	Dashboard loads and visualizations respond quickly even with larger datasets.
NFR-5	Availability	Available 24/7 through web deployment for anytime access to insights.
NFR-6	Scalability	System can scale to include more data (e.g., global toy markets or new KPIs).