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

Date	31 January 2025
Team ID	LTVIP2025TMID57325
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Exploration & Filtering	- Filter manufacturers by Year, State, and Index; simulate category filters like product typ
FR-4	Dashboard Interactivity	- View dynamic charts (e.g., Manufacturers by Year, Top States); use drill-down by State or Year
FR-5	Scenario-Based Storytelling	- Include seasonal demand simulation; regional insights; animated change across time with storytelling
FR-6	User Feedback & Export Options	Export dashboard as image/PDF for reports; capture user suggestions via embedded notes or comments

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The dashboard should offer an intuitive, interactive interface for stakeholders like analysts, planners, and manufacturers.
NFR-2	**Security**	Secure handling of manufacturing data to ensure integrity and restrict unauthorized access to sensitive insights.
NFR-3	**Reliability**	Tableau dashboards should consistently render accurate visualizations without errors or data mismatches.
NFR-4	**Performance**	All visualizations must load within 2–4 seconds even with multiple filters and complex calculations applied.
NFR-5	**Availability**	Dashboards must be publicly shareable or hosted online to ensure 24/7 access for all relevant users and stakeholders.
NFR-6	**Scalability**	The solution should support additional datasets (e.g., global toy markets or new product categories) without slowing performance.