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

Date	26 June 2025
Team ID	LTVIP2025TMID21215
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	Login	• Login via email & password • Login via Gmail or LinkedIn
FR-4	Dashboard Access	• User views dashboard after login • Visualizations of toy categories, brands, regions, and seasons.
FR-5	Toy Data Visualization	• Display charts for sales trends, price distribution, popularity, brand/category comparison.
FR-6	Toy store/Market Map	• Show nearest toy store presence or regional sales coverage using an interactive map.
FR-7	Filtering and Searching	• Filter toy data by price, brand, region, category, age group, etc.
FR-8	Export and Reporting	• Export dashboards as PDF or image • Download summary reports
FR-9	Admin Data Management	• Upload or refresh datasets (CSV, Excel) • Approve new data uploads
FR-10	Customer Support Access (Optional)	• Submit feedback or report data inaccuracies • View respond to support tickets.

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The ToyCraft dashboard interface should be intuitive and responsive for both mobile and desktop users — suitable for analysts, marketers, and decision-makers.
NFR-2	Security	User login data, toy sales uploads, and brand-sensitive reports must be encrypted and securely stored.
NFR-3	Reliability	The ToyCraft platform should function consistently without crashes or data loss during dashboard use or report generation.
NFR-4	Performance	Dashboards, charts, and filters should load within 3 seconds, even when analyzing large toy datasets or multiple brands.
NFR-5	Availability	The service must maintain 99% uptime, ensuring availability during product launches or sales analysis periods.
NFR-6	Scalability	ToyCraft must handle increasing numbers of users, data uploads (e.g., seasonal or regional reports), and queries without degradation in performance.