REQUIREMENT ANALYSIS

**Solution Requirements** (Functional & Non-Functional)

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| Date | June 2025 |
| Team ID | LTVIP2025TMID50867 |
| Project Name | ToyCraft tales: tableau's vision into toy manufacturer data |
| Maximum Marks | 4 Marks |

Functional Requirements

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| **FR N0.** | **Functional**  **Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Data Upload & Integration | Import toy industry CSV data into Tableau |
|  |  | Clean and format data for consistency and structure |
| FR-2 | Market Trend Analysis | Analyze annual shipment growth and total market size |
|  |  | Highlight seasonal spikes |
| FR-3 | Category Performance Dashboard | Visualize toy categories across years |
|  |  | Identify top-selling categories over time |
| FR-4 | Regional &  Demographic Filtering | Add filters by region, age group, and consumer type |
|  |  | Enable dynamic charts that respond to selections |
| FR-5 | Unified Dashboard | Combine all insights into a single dashboard |
|  |  | Allow stakeholders to export reports or snapshots |

Non-Functional Requirements

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| **NFR NO.** | **Non-Functional Requirements** | **Description** |
| NFR-1 | Usability | Dashboard should be intuitive, with tooltips and clear legends |
| NFR-2 | Security | Only authorized users can  upload/edit data in Tableau |
| NFR-2 | Reliability | Dashboard should load consistently across devices and users |
| NFR-4 | Performance | Visuals must load in under 2 seconds even with full dataset |
| NFR-5 | Availability | Dashboard should be accessible 24/7 via Tableau Public or Server |
| NFR-6 | Scalability | Should handle additional  years/categories without redesign |