Solution Requirements

Date	31 January 2026
Team ID	LTVIP2026TMIDS24931
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

Functional Requirements

• Load the toy manufacturers dataset into Tableau successfully.
• Perform data cleaning and create calculated fields if required.
• Create a minimum of 6–8 meaningful visualizations (line, bar, map, pie, etc.).
• Create an interactive dashboard with filters (Year, State, etc.).
• Create a story with multiple scenes (Introduction, Trend, State-wise, Top States, Conclusion).
• Publish the dashboard and story on Tableau Public.
• Embed the dashboard and story in a Flask web application.
• Provide user navigation (Home, Dashboard, Story) in the web interface.

Non-Functional Requirements

• The dashboard must be responsive and fit different screen sizes.
• Filters should update all charts smoothly and quickly.
• Visualizations should be clear, readable, and properly labeled.
• The system should run on a normal laptop configuration without special hardware.
• The Tableau Public link should be accessible anytime through the internet.

Performance Requirements

• Filters should respond quickly to user interactions.
• Visualizations should load within a few seconds (approximately 3–5 seconds).
• The dashboard should support multiple filter combinations without performance issues.

Security Requirements

• The dataset should not contain any private or sensitive information.
• The published dashboard and story should be safe for public viewing.
• The web application should only display the embedded visualizations and not allow unauthorized data modification.