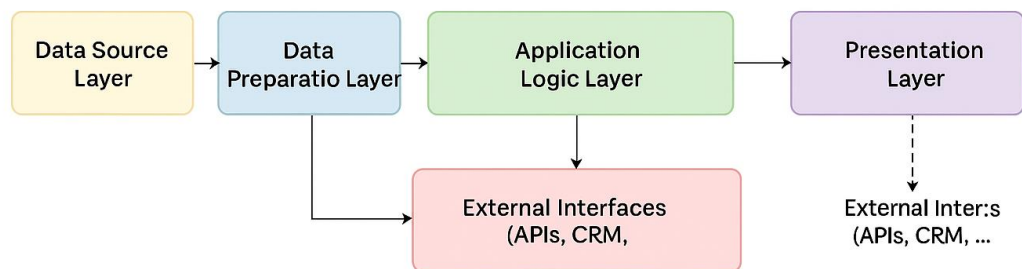


Project Design Phase Solution Architecture

Date	24 June 2025
Team ID	LTVIP2025TMID49620
Project Name	ToyCraft Tales :Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

Solution Architecture:



Solution Architecture :

1. Data Source Layer (Local/Cloud)

- Components: Excel/CSV files, Google Sheets, or database (MySQL, etc.)
- Role: Collects raw toy sales data (products, regions, revenue, etc.)

2. Data Preparation Layer

- Tools: Tableau Prep / Python / Excel
- Role: Cleans, filters, and structures the data for analysis

3. Data Storage Layer

- Components: Tableau Public (published dataset) or local files
- Role: Stores cleaned data ready for visualization

4. Application Logic Layer (Dashboard + Story)

- Tool: Tableau Desktop / Tableau Public
- Role: Creates visual dashboards and stories for insights

5. Presentation Layer (User Interface)

- Tool: Webpage with embedded Tableau
- Role: Users (toy company) interact with dashboards to make decisions

6. External Interfaces (optional)

- Example: APIs for real-time data sync, Google Analytics, or CRM