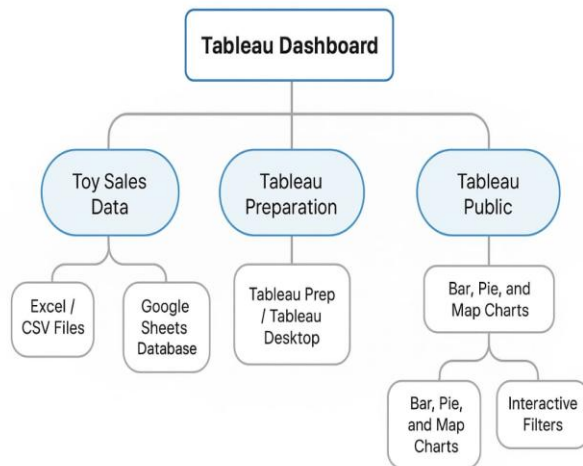


Project Design Phase-II Technology Stack (Architecture & Stack)

| | |
|---------------|--|
| Date | 23 June 3035 |
| Team ID | LTVIP2025TMID49620 |
| Project Name | ToyCraft Tales _ Tableau's Vision into Toy Manufacturer Data |
| Maximum Marks | 4 Marks |

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



Guidelines:

1. Show how the app works, from data input to dashboard output.
2. Mention what runs locally and what is on the cloud.
3. Include any external tools or APIs used.
4. Show where data is stored (Excel, cloud, etc.).
5. Add if any ML model is used and how it connects.
6. Show how users access and view the dashboards

Table-1 : Components & Technologies:

| S.No | Component | Description | Technology |
|-------------|--------------------|---|-----------------------|
| 1. | Data Source | Source of sales, product, and region data | Excel / CSV |
| 2. | Data Processing | Cleans and structures the raw data | Tableau Prep |
| 3. | Visualization Tool | Creates dashboards and visual stories | Tableau Public |
| 4. | Hosting Platform | Where dashboards are published | Tableau Public Online |
| 5. | User interface | Interface for users to interact with dashboards | Web Browser |
| 6. | Web Integration | Embedding tableau's dashboard, story in a website | Python Flask |

Table-2: Application Characteristics:

| S.No | Characteristics | Description | Technology |
|-------------|------------------------|---|---------------------------|
| 1. | Interactivity | Filters, hover highlights, drop-downs, etc. | Tableau Features |
| 2. | Accessibility | Easy access from anywhere via browser | Tableau Public |
| 3. | Performance | Fast loading and smooth navigation | Lightweight Web Embeds |
| 4. | Security | Publicly viewable; optional restriction on embeds | Tableau Settings |
| 5. | Scalability | Can be extended with more dashboards or stories | Tableau Story & Dashboard |