

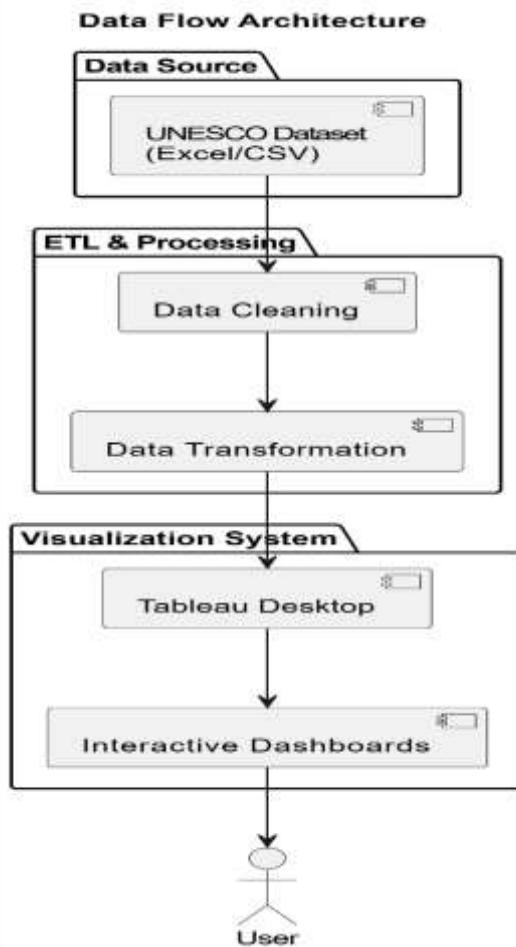
Project Design Phase-II

Data Flow Diagram & User Stories

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| Date | 11/02/2026 |
| Team ID | LTVIP2026TMIDS36154 |
| Project Name | Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

The Data Flow Architecture illustrates the structured movement of data from the UNESCO dataset (Excel/CSV) through the ETL and processing layer, where data cleaning and transformation are performed. The processed data is then integrated into Tableau Desktop to generate interactive dashboards. Finally, the visualized insights are delivered to end users for analysis and decision-making.



Data Flow Description

1. Data collected from the **UNESCO World Heritage dataset** in Excel/CSV format.
2. Dataset cleaned and transformed in Microsoft Excel by handling missing values, standardizing formats, and preparing fields such as heritage category, region, and year of inscription.
3. Processed data imported into **Tableau Desktop**, where calculated fields and measures were created for regional totals, category distribution, and endangered site identification.
4. Interactive dashboards developed, and filters implemented for dynamic exploration.
5. Users review dashboards, provide feedback if necessary, and final version is finalized and archived after approval.

User Stories (Agile Format)

1. **As a researcher,**
I want to explore the number of UNESCO World Heritage Sites by country and year,
So that I can analyze regional growth patterns and historical inscription trends.
2. **As a student,**
I want to filter heritage sites by category (Cultural, Natural, Mixed),
So that I can understand how different heritage types are distributed globally.
3. **As a tourism planner,**
I want to view heritage sites on an interactive world map with regional insights,
So that I can analyze geographic distribution for educational and travel planning.
4. **As a policy analyst,**
I want to identify sites listed under danger status,
So that I can study preservation challenges and conservation priorities.