

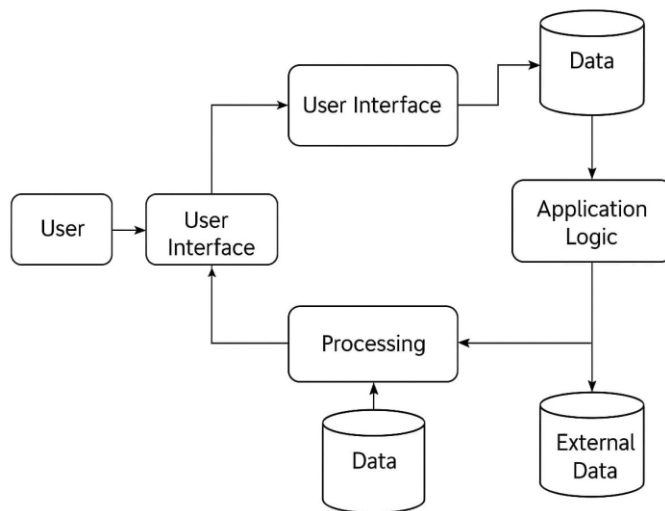
Project Design Phase-II

Data Flow Diagram & User Stories

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|---------------|--|
| Date | 26 July 2025 |
| Team ID | PNT2025TMID09700 |
| Project Name | Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



Example:

User Stories

Use the below template to list all the user stories for the product.

| Category | Entice | Enter | Engage | Exit | Extend |
|-------------------------------|--|--|--|---|---|
| Experience Phase | Learns about UNESCO dataset availability | Visits site, downloads data | Analyzes data in Excel, builds visuals manually | Writes and presents research findings | Reflects on gaps, thinks about building a dashboard or collaborating for better tools |
| Interactions | Talks with colleagues, reads blogs/research, finds dataset links | Browses the UNESCO site, downloads spreadsheets | Creates graphs, filters data manually, explores patterns | Prepares reports, PowerPoint, academic articles | Looks for better tools, saves ideas for next research project |
| Goals & Motivation | Find reliable data to support her research | Access and understand the raw dataset | Extract meaningful insights, identify trends in site types/regions | Share findings with organizations, students, policymakers | Improve future work using visual tools, advocate for better storytelling in cultural data |
| Positive Moments | Finds an open-access dataset | Discovers historical data is well-categorized | Uncovers key patterns (e.g., underrepresented countries) | Receives positive feedback on insight clarity | Feels hopeful about future collaborations with visual analysts |
| Negative Moments | Data is hidden or not widely promoted | Finds file formats (CSV, XLS) messy and unstructured | Struggles to visualize comparisons quickly | Struggles to communicate site importance to non-researchers | Lacks tools or skills to create visual dashboards |

| Category | Entice | Enter | Engage | Exit | Extend |
|---------------------|---|---|---|--|---|
| Area of Opportunity | Promote open data better to researchers like Ananya | Create a clean, user-friendly download portal | Offer an interactive Tableau dashboard with maps, filters, timelines, and comparisons | Export data visualizations directly from the dashboard | Collaborate with researchers to co-design next-gen UNESCO tools |