Data Flow

Data Flow Diagram (DFD) – Description

- User accesses web application via browser
- User requests dashboard data
- Flask server processes request
- Server fetches dataset from storage
- Data processed and formatted
- Tableau dashboards rendered
- Visual analytics displayed to user
- User interacts with filters
- Updated queries sent back
- Refreshed visuals returned

User Stories

User Type	Epic	USN	User Story	Acceptance Criteria	Priority	Release
Customer (Web)	Dashboard	USN-6	View UNESCO dashboards	Loads charts correctly	High	Sprint-1
Customer (Web)	Filter	USN-7	Filter data by region	Filter updates visuals	High	Sprint-1
Customer (Web)	Search	USN-8	Search heritage site	Shows correct result	Medium	Sprint-2
Customer (Web)	Interaction	USN-9	Hover for details	Tooltip displays info	Medium	Sprint-2
Customer Care	Support	USN-10	Help users navigate	Users resolve issues	Medium	Sprint-2
Admin	Data	USN-11	Update dataset	Data refresh visible	High	Sprint-1

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│           User Input            │
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│       Flask Web Interface       │
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┌─────────────────────────────────┐
│       Backend Processing        │
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│      Tableau Dashboard API      │
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┌─────────────────────────────────┐
│     Data Visualization Output   │
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┌─────────────────────────────────┐
│        Display in Browser       │
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