Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	24 June 2025
Team ID	LTVIP2025TMID51596
Project Name	Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Sites Distribution Analysis	View number of UNESCO sites per countryVisualize using Treemap or Bubble ChartEnable sorting and highlighting by site count
FR-2	Endangered Sites Breakdown	Visualize sites at risk using Pie or Donut ChartShow percentage and count of endangered vs. safe sitesAllow filtering by region/country
FR-3	Temporal Trends by Region	Display inscription trends using Line ChartYear-wise breakdown of new inscriptionsSegment by region for comparative analysis
FR-4	Interactive Dashboard Filters	Add filters for Region, Country, and Site TypeEnable user customization and focused analysis
FR-5	Combined Dashboard View	Consolidate visualizations into a single dashboardEnable storytelling with multiple insightsProvide title, layout, and navigation
FR-6	Country-Level Comparison	Select multiple countries for side-by-side analysisCompare number, type, and status of sites
FR-7	Danger Site Drill-Down	Focus view on endangered sites onlyEnable region or country-specific drill-down
FR-8	Educational Insights	Use dashboard for academic purposesHighlight global distribution and cultural significance

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The dashboard should be intuitive and user-friendly, allowing users to explore data insights without prior technical knowledge.
NFR-2	**Security**	Data access should be restricted based on user roles. Sensitive data, if any, must be protected using authentication and authorization mechanisms.
NFR-3	**Reliability**	The dashboard must consistently provide accurate and up-to-date information without crashes or unexpected behavior.
NFR-4	**Performance**	Dashboards should load within 3–5 seconds, even when filters are applied. Charts should be responsive and quick to render.
NFR-5	**Availability**	The dashboard must be available 24/7 with minimal downtime, ensuring constant access for global users.
NFR-6	**Scalability**	The system should be scalable to accommodate future data (e.g., new UNESCO sites, more regions) and additional features like drill-downs or filters.