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

Date	31 January 2025
Team ID	LTVIP2026TMIDS52570
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	User Registration	Registration through form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Dashboard & Visualization	View Heritage Sites by Country (Treemap) View Sites at Risk (Pie Chart) View Regional Inscription Trends (Line Chart) Apply filters (Country, Region, Year, Category)
FR-4	Data Management & Reports	Upload / Update UNESCO dataset Generate interactive dashboard Export reports (PDF/Image) Embed dashboard into Flask web application
FR-5	Story & Insights	Create story with multiple scenes Display key insights and trends Highlight endangered sites analysis
FR-6	User Interaction & Access	Secure login access Responsive dashboard (Web & Mobile) Search heritage sites by name

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The dashboard should be easy to navigate with clear labels, filters, and user-friendly design.
NFR-2	**Security**	The dataset and web application should be securely hosted and protected from unauthorized access.
NFR-3	**Reliability**	The system should consistently display accurate data without crashes or errors.

NFR-4	**Performance**	Dashboard should load within acceptable time and filters should respond quickly.
NFR-5	**Availability**	The web-based dashboard should be accessible anytime with minimal downtime.
NFR-6	**Scalability**	The system should support updated datasets and handle larger future datasets efficiently.