

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

Date	31 January 2025
Team ID	LTVIP2025TMID48209
Project Name	Heritage Treasures
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	Interactive Dashboard	View heritage sites by country/region Filter by category: Cultural, Natural, Mixed Toggle between 'In Danger' and 'Safe' sites Interactive map and pie/line charts
FR-4	Insights & Trends	View trends of site inscriptions over time Compare number of sites across continents Identify top countries by site count
FR-5	Admin Panel	Upload new site data (CSV/Excel) Edit or update metadata for each site Manage user feedback
FR-6	Data Export	Export visualizations and reports in PDF/CSV. Download specific country/region insights

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be intuitive, mobile-friendly, and visually engaging for users of all backgrounds (tourists, researchers, policymakers).
NFR-2	Security	Secure login and registration, encrypted data access, and role-based permissions (e.g., admin vs viewer).
NFR-3	Reliability	The system should ensure 99% uptime and robust data storage without data loss.
NFR-4	Performance	Visualizations and filters should load within 2 seconds for up to 1000 concurrent users.
NFR-5	Availability	The platform must be accessible 24/7 globally and hosted on a reliable cloud provider.
NFR-6	Scalability	Should scale efficiently with increasing heritage sites or expanding features like user-submitted locations or crowd sourced insights.