

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

Date	24 JUNE 2025
Team ID	LTVIP2025TMID47625
Project Name	<b>Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites</b>
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	Interactive Dashboard	Visualize sites by region, type, and category with filtering
FR-2	Endangered Site Insights	Highlight and track sites marked as endangered
FR-3	Site Age & Timeline Analysis	Show historical growth and forecast site trends
FR-4	Site Age & Timeline Analysis	Show historical growth and forecast site trends
FR-5	Geospatial View	Map-based view of endangered and categorized sites
FR-6	Responsive Web Deployment	Embed dashboards and stories in a styled web interface

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	Performance	Dashboards should load within 2-3 seconds with efficient data embedding via Tableau Public.
NFR-2	Scalability	The solution should allow for new visualizations or stories to be added without restructuring the core architecture.
NFR-3	<b>Responsiveness</b>	The application should be available 24/7 when hosted on Render.com.
NFR-4	<b>Performance</b>	The interface must be simple, readable, and require no technical background to explore.
NFR-5	<b>Usability</b>	The web interface should be simple and accessible, with clear navigation and responsive design.

NFR-6	<b>Data Accuracy</b>	Ensure calculations (averages, comparisons) are correctly validated against source files.
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