

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

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| Date | 30 June 2025 |
| Team ID | LTVIP2025TMID48417 |
| 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 | Interactive Map Dashboard | Displays country-wise distribution of UNESCO sites with filters like continent, year of inscription. |
| FR-2 | Category-Based Analytics | Allows users to explore sites by cultural, natural, or mixed category using charts and KPIs |
| FR-3 | Timeline Visualization | Shows trend of site additions across decades using line graphs or bar charts. |
| FR-4 | Region-wise Site Insights | Visualizes site density and classification across different regions/continents. |
| FR-5 | Popularity Metrics | Displays visitor data and popular sites using rankings or heat maps (if data available). |
| FR-6 | Story-Based Navigation | Sequential dashboard guiding users through global heritage trends using narrative captions. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Use color-blind-friendly palettes and descriptive legends to ensure inclusive experience. |
| NFR-2 | Security | Protect sensitive dataset files using password protection and access controls where applicable. |
| NFR-3 | Reliability | Ensure dashboard availability during presentations and avoid crashes or data loss. |
| NFR-4 | Performance | Dashboards must load within 3 - 5 seconds even with applied filters. |
| NFR-5 | Simplicity | Interface must be intuitive for users with little or no technical expertise |

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| NFR-6 | Scalability | Framework should allow addition of newly recognized sites over time |
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