**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID48508 |
| 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.

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| --- | --- | --- | --- | --- |
| **Requirement ID** | **Category** | **Requirement Description** | **Acceptance Criteria** | **Priority**  **Release** |
| **FR-1** | Data Preparation | Clean dataset, handle missing values, and ensure standardized formatting | Data is cleaned and formatted properly for accurate visualizations | **HIGH V1.0** |
| **FR2** | display(Map | Display an interactive world map with site locations based on latitude and longitude. | Data is cleaned and formatted properly for accurate visualizations | **HIGH V1.0** |
| **FR3** | creation (Category) | Create a donut or pie chart showing the distribution of World Heritage Sites by category (Cultural, Natural, Mixed). | Data is cleaned and formatted properly for accurate visualizations | **HIGH V1.0** |
| **FR4** | Visualization (Timeline) | Show a bar or line chart indicating the number of sites inscribed over the years. | Tooltip displays correct details for each site or data point. | **HIGH V1.0** |
| **FR5** | Visualization (Timeline) | Show tooltips with detailed info (Site Name, Country, Year, Description) when hovering over visual elements (charts/map). | Tooltip displays correct details for each site or data point. | **HIGH V1.0** |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Dashboard should load within 5 seconds for a standard dataset (~1,200 records). |
| NFR-2 | **Security** | Dashboard should be user-friendly and visually appealing with intuitive layout and labeling. |
| NFR-3 | **Reliability** | Dashboard should work on both Tableau Desktop and Tableau Public (web browser). |
| NFR-4 | **Performance** | The solution should be able to handle future additions of more UNESCO sites without major changes |
| NFR-5 | **Availability** | Visual elements (color, font, size) should be accessible to users with basic visual impairments. |
| NFR-6 | **Scalability** | Dashboard should use clean, organized sheets and well-named fields to ensure easy updates. |