

Project Design Phase
Proposed Solution Template

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| Date | 29 June 2025 |
| Team ID | LTVIP2025TMID50324 |
| Project Name | Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | UNESCO's World Heritage dataset is a globally important resource, yet it is presented in raw, tabular form that is difficult to interpret and explore visually. Researchers, policy makers, and educators often lack the tools to derive meaningful insights about the distribution, type, status, and trends of these heritage sites. This limit understanding and action for preservation, awareness, and advocacy. |
| 2. | Idea / Solution description | We propose the development of a comprehensive, interactive Tableau dashboard that visualizes the UNESCO World Heritage Sites dataset from 2019. The dashboard will display site distribution by type (Cultural, Natural, Mixed), geographic region, year of inscription, and inscription criteria. It will include maps, bar charts, timelines, and filters to enable users to explore insights at global, national, or thematic levels. The solution will be hosted on Tableau Public for open access. |
| 3. | Novelty / Uniqueness | Unlike existing static lists or basic maps, our solution provides live, filterable, and comparative visualizations that combine geospatial and temporal insights. The use of Tableau allows for real-time exploration without the need for coding, making the solution accessible to both technical and non-technical users in the heritage sector. No official interactive visualization tool of this depth exists for this dataset currently. |
| 4. | Social Impact / Customer Satisfaction | This project enhances global heritage awareness and supports decision-making for cultural preservation. NGOs, heritage planners, educators, and students will benefit from easy access to visual insights. The platform enables deeper understanding of at-risk sites, regional inequalities, and long-term cultural patterns — |

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| | | thereby supporting more equitable preservation efforts. |
| 5. | Business Model (Revenue Model) | <p>This is a non-commercial, open-access project primarily intended for social good and awareness. However, in the long term, this model could support:</p> <ul style="list-style-type: none"> • Partnerships with heritage NGOs or government bodies • Workshops/training programs on cultural data visualization • Customized dashboards for country-specific or research-specific use cases on a paid or grant-supported basis |
| 6. | Scalability of the Solution | <p>The platform is highly scalable. It can:</p> <ul style="list-style-type: none"> • Be updated with newer UNESCO datasets annually • Be expanded to include threatened site analysis, UNESCO funding records, or visitor statistics • Be translated and localized for global use • Integrate real-time APIs or mobile dashboards in the future |