

Project Report

Project Title: Heritage Treasures: An In-Depth Analysis Of UNESCO World Heritage Sites In Tableau

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1. INTRODUCTION

1.1 Project Overview

This project explores the rich repository of UNESCO World Heritage Sites using data visualization in Tableau.

1.2 Purpose

To promote awareness, research, and policy planning by making heritage data accessible through an interactive Tableau dashboard.

2. IDEATION PHASE

2.1 Problem Statement

No unified platform exists to visualize comprehensive UNESCO Heritage Site data, limiting awareness and planning.

2.2 Empathy Map Canvas

Says: I want to explore heritage sites visually.

Thinks: I need reliable data.

Does: Uses scattered sources.

Feels: Overwhelmed.

2.3 Brainstorming

Ideas: Global map, filters, endangered sites view, cultural vs natural classification.

3. REQUIREMENT ANALYSIS

3.1 Customer Journey Map

Stages: Awareness Research Use Share.

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Touchpoints: Google, Tableau Dashboard.

Emotions: Curious Engaged Satisfied.

3.2 Solution Requirement

Reliable dataset, filters, export options, storytelling.

3.3 Data Flow Diagram

Input: UNESCO datasets Clean Integrate Visualize Output: Tableau Dashboard.

3.4 Technology Stack

Data: UNESCO CSV/API

Tools: Excel, Tableau

Hosting: Tableau Public

4. PROJECT DESIGN

4.1 Problem Solution Fit

Addresses fragmentation with a centralized, interactive dashboard.

4.2 Proposed Solution

A Tableau dashboard with site filters, endangered indicators, and regional insights.

4.3 Solution Architecture

1. Collect data
2. Clean
3. Load in Tableau
4. Design
5. Deploy

5. PROJECT PLANNING & SCHEDULING

Includes user stories, sprint schedule, velocity, and burndown chart.

6. FUNCTIONAL AND PERFORMANCE TESTING

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6.1 Performance Testing

Load < 5s, responsive, filter accuracy validated, data cross-verified.

7. RESULTS

7.1 Output Screenshots

[Screenshots to be attached in final submission]

8. ADVANTAGES & DISADVANTAGES

Advantages: Interactive, awareness tool

Disadvantages: Depends on external data, limited offline use

9. CONCLUSION

The project converts raw heritage data into visual insight, aiding awareness and decision-making.

10. FUTURE SCOPE

Add ML for prediction, more data overlays, mobile version, multilingual support.

11. APPENDIX

Source Code: [If any]

Dataset: <https://whc.unesco.org/en/list/>

GitHub/Project Demo: [Insert Links]