Final Report

1. INTRODUCTION

1.1 Project Overview
This project, titled 'Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites', aims to analyze the global distribution, categorization, and trends of UNESCO heritage sites using Tableau.

1.2 Purpose
The purpose of this project is to make heritage site data easily understandable and explorable through visual storytelling and dashboards.

2. IDEATION PHASE

2.1 Problem Statement
Lack of clear, visual insights into the distribution, types, and growth of UNESCO World Heritage Sites, making it difficult for users to explore the data meaningfully.

2.2 Empathy Map Canvas
User: Tourist/Researcher
Thinks: I want to explore cultural places
Feels: Excited to discover world heritage
Does: Searches online, visits dashboards
Needs: Easy and informative visuals

2.3 Brainstorming
- Show sites by region and country
- Compare Cultural, Natural, Mixed sites
- Show increase over years
- Use interactive dashboard and filters
- Present it using Tableau Story

3. REQUIREMENT ANALYSIS

3.1 Customer Journey map
User visits dashboard > Filters by country/region/type > Explores insights > Understands global heritage trends

3.2 Solution Requirement

Functional: Filterable dashboard, interactive story, visual charts
Non-functional: Responsive design, fast load time

3.3 Data Flow Diagram

CSV Dataset → Tableau → Charts & Calculations → Dashboard → Story

3.4 Technology Stack

- Dataset: CSV file
- Tool: Tableau
- Documentation: MS Word
- Version Control: GitHub

4. PROJECT DESIGN

4.1 Problem Solution Fit

Our solution offers visual exploration of the UNESCO data through Tableau to improve data understanding.

4.2 Proposed Solution

Tableau dashboard and story presenting key insights on heritage site count by country, region, category, and time.

4.3 Solution Architecture

CSV → Tableau → Dashboard & Story → Output (screenshots, video, report)

5. PROJECT PLANNING & SCHEDULING

5.1 Project Planning

Sprint-1 to Sprint-3 plan with steps from data collection to demo video recording.

6. FUNCTIONAL AND PERFORMANCE TESTING

6.1 Performance Testing

Filters tested, dashboard responsive, story navigates properly. All charts render as expected.

7. RESULTS

7.1 Output Screenshots

Dashboard screenshot, Story screenshot (attached separately).

8. ADVANTAGES & DISADVANTAGES

Advantages:
- Easy to explore data visually
- Interactive experience

Disadvantages:
- Requires internet for Tableau Public
- Limited to the dataset used

9. CONCLUSION

This project helped analyze and understand UNESCO World Heritage data visually and interactively.

10. FUTURE SCOPE

Future versions can include real-time updates, visitor counts, or conservation data.

11. APPENDIX

Dataset: heritage_sites.csv
Tableau Dashboard: https://public.tableau.com/views/HeritageTreasuresAnIn-DepthAnalysisofUNESCOWorldHeritageSites_17507730780010/Dashboard1
Story: https://public.tableau.com/views/HeritageTreasuresAnIn-DepthAnalysisofUNESCOWorldHeritageSites_17507730780010/Story1
GitHub: https://github.com/mudagalshiva/Heritage-Treasures-An-In-Depth-Analysis-of-UNESCO-World-Heritage-Sites-in-Tableau

UNESCO Heritage Sites Tableau Project Demo.mp4

Video Demo: