**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

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| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID49827 |
| Project Name | Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation :**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data Acquisition & Preparation | USN-1 | As a user, I can access and download UNESCO World Heritage Site data from reliable sources. | 3 | High |  |
| Sprint-1 | Data Acquisition & Preparation | USN-2 | As a user, I can clean and pre-process the downloaded data to ensure its quality and consistency for analysis. | 4 | High |  |
| Sprint-1 | Initial Dashboard Setup | USN-3 | As a user, I can set up the Tableau environment and connect to the prepared UNESCO World Heritage Site data. | 2 | High |  |
| Sprint-2 | Data Visualization - Geographical | USN-4 | As a user, I can create interactive maps in Tableau showing the geographical distribution of UNESCO sites. | 5 | High |  |
| Sprint-2 | Data Visualization - Historical | USN-5 | As a user, I can visualize trends in the inscription of sites over time. | 3 | Medium |  |
| Sprint-2 | Data Visualization - Categorical | USN-6 | As a user, I can create charts to display the distribution of sites by criteria (cultural, natural, mixed) and country. | 4 | Medium |  |
| Sprint-3 | Dashboard Enhancements & Filtering | USN-7 | As a user, I can add filters to the dashboard to allow users to explore data by region, country, or criteria. | 4 | High |  |
| Sprint-3 | Dashboard Enhancements & Filtering | USN-8 | As a user, I can implement drill-down functionalities for detailed information on specific sites. | 5 | High |  |
| Sprint-3 | Dashboard Enhancements & Filtering | USN-9 | As a user, I can ensure the dashboard is user-friendly and aesthetically pleasing. | 3 | Medium |  |
| Sprint-4 | Advanced Analysis & Insights | USN-10 | As a user, I can incorporate advanced calculations or parameters to derive deeper insights (e.g., density of sites). | 5 | Medium |  |
| Sprint-4 | Advanced Analysis & Insights | USN-11 | As a user, I can create a summary view or executive dashboard highlighting key findings. | 4 | High |  |
| Sprint-4 | Documentation & Presentation | USN-12 | As a user, I can prepare documentation explaining the data sources, methodology, and insights. | 3 | High |  |
| Sprint-4 | Documentation & Presentation | USN-13 | As a user, I can prepare a presentation to showcase the Tableau dashboard and its findings. | 2 | High |  |

**Project Tracker, Velocity & Burndown Chart:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 9 | 6 Days | 24 Jun 2025 | 29 June 2025 | 9 | 29 July 2025 |
| Sprint-2 | 12 | 6 Days | 31 Jun 2025 | 05 July 2025 |  |  |
| Sprint-3 | 12 | 6 Days | 07 July 2025 | 12 July 2025 |  |  |
| Sprint-4 | 14 | 6 Days | 14 July 2025 | 19 July 2025 |  |  |

**Velocity:**

Here we have a 6-day sprint duration, and we need to determine the velocity of the team.

Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day). 6

**For Sprint 1:**

Total Story Points = 9

Sprint Duration = 6 Days

Average Velocity (AV) = Sprint DurationTotal Story Points​=69​=1.5 story points per day.

We will track the actual story points completed at the end of each sprint to determine the team's actual velocity and make adjustments as needed.

**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. 8 It is often used in agile software development methodologies such as Scrum. 9 However, burndown charts can be applied to any project containing measurable progress over time. 10

A burndown chart for "Heritage Treasures" would track the remaining story points over the duration of each sprint. For example, for Sprint 1, the chart would start with 9 story points and ideally trend downwards to 0 by the sprint end date. This would be visually represented with an ideal burndown line and an actual burndown line to show progress and identify any deviations.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)