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

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.atlassian.com/agile/tutorials/burndown-charts

Reference:

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/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts