

Project Planning Phase

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

Date	29 June 2025
Team ID	LTVIP2025TMID50950
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 (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a data analyst, I want to gather data on UNESCO World Heritage Sites for analysis.	3	High	Individual
Sprint-1	Data Cleaning & Pre processing	USN-2	As a data analyst, I will clean and preprocess the data for smooth integration with Tableau.	2	High	Individual
Sprint-1	Data Loading in Tableau	USN-3	As a data analyst, I will import cleaned data into Tableau to create visualizations.	1	High	Individual
Sprint-2	Dashboard Creation	USN-4	As a data analyst, I will design dashboards to explore insights into heritage sites (e.g., by region, type).	3	High	Individual
Sprint-2	Insights & KPIs	USN-5	As a data analyst, I will extract key insights and calculate KPIs like distribution and density of sites.	2	Medium	Individual

Sprint-2	User Interaction Enhancement	USN-6	As a user, I want filter options to explore data by region, category, or timeline interactively.	3	Medium	Individual
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Storytelling & Report Design	USN-7	As a data analyst, I will create a narrative report highlighting key findings from the analysis.	2	Medium	Individual
Sprint-3	Export & Presentation	USN-8	As a data analyst, I will export the dashboards and prepare a final presentation for stakeholders.	1	High	Individual

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	20	6 Days	26 May 2025	01 June 2025	20	28 June 2025
Sprint-2	20	6 Days	02 June 2025	07 June 2025	19	28 June 2025
Sprint-3	20	6 Days	08 June 2025	13 June 2025	20	28 June 2025
Sprint-4	20	6 Days	14 June 2025	20 June 2025	18	28 June 2025

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

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

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/> <https://www.atlassian.com/agile/tutorials/burndown-charts>