

Project Planning Phase

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

Date	12 February 2026
Team ID	LTVIP2026TMIDS75294
Project Name	Heritage Treasures: An In-depth Analysis of UNESCO World Heritage Sites in Tableau
Maximum Marks	8 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 can collect UNESCO World Heritage dataset from official sources.	3	High	Anjana
Sprint-1	Data Preparation	USN-2	As a data analyst, I can clean and preprocess the dataset by handling missing values and formatting columns.	5	High	Anjana
Sprint-1	Data Preparation	USN-3	As a data analyst, I can categorize sites by country and region for structured analysis.	3	High	Anjana
Sprint-1	Visualization	USN-4	As a user, I can view a treemap showing heritage sites by country.	4	High	Anjana
Sprint-1	Dashboard	USN-5	As a user, I can interact with filters to explore heritage site distribution.	5	High	Anjana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Visualization	USN-6	As a user, I can view a pie chart showing sites classified as “In Danger” vs “Not in Danger.”	4	High	Ramesh
Sprint-2	Visualization	USN-7	As a user, I can view a line chart showing regional inscription trends over time.	5	High	Ramesh
Sprint-2	Dashboard	USN-8	As a user, I can switch between different visualizations using interactive dashboard navigation.	4	High	Ramesh
Sprint-2	Testing	USN-9	As a tester, I can validate data accuracy across all visualizations.	3	Low	Ramesh
Sprint-3	Enhancement	USN-10	As a user, I can view a global map visualization of heritage sites.	5	High	Jithendra
Sprint-3	Enhancement	USN-11	As a user, I can filter heritage sites by category (Cultural, Natural, Mixed)	4	Medium	Jithendra
Sprint-3	Performance	USN-12	As a user, I can experience fast dashboard loading with optimized queries.	3	Medium	Jithendra
Sprint-3	Documentation	USN-13	As a stakeholder, I can access project documentation and insights summary.	3	Low	Jithendra
Sprint-4	Deployment	USN-14	As a user, I can access the Tableau dashboard via web integration.	5	High	Anjana
Sprint-4	Testing	USN-15	As a tester, I can perform final system testing before release.	3	High	Anjana

Sprint-4	Final Review	USN-16	As a stakeholder, I can review final insights and approve project completion.	2	Medium	Anjana,Ramesh,Jithendra
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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	1 Day	9 feb 2026	10 feb 2026	20	10 feb 2026
Sprint-2	20	1 Day	10 feb 2026	11 feb 2026	18	14 feb 2026
Sprint-3	20	6 Days	12 feb 2026	16 feb 2026	19	16 feb 2026
Sprint-4	20	6 Days	17 feb 2026	20 feb 2026	20	19 feb 2026

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)

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

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.

Sprint Burndown Chart

