Project Planning Phase

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

Date	18 October 2022
Team ID	LTVIP2026TMIDS52570
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 & Preparation	USN-1	As a developer, I can collect the UNESCO dataset from Kaggle for analysis.	3	High	Team
Sprint-1		USN-2	As a developer, I can connect the dataset with Tableau.	3	High	Team
Sprint-1		USN-3	As a developer, I can clean and prepare the dataset for visualization.	4	High	Team
Sprint-1	Dashboard – Heritage by Country	USN-4	As a user, I can view country-wise heritage site distribution using a treemap.	5	High	Team
Sprint-1	Login & Access	USN-5	As a user, I can access the dashboard through secure login.	2	Medium	Team
Sprint-2	Sites at Risk Visualization	USN-6	As a user, I can view a pie chart showing sites in danger vs not in danger.	4	High	Team
Sprint-2	Regional Trends	USN-7	As a user, I can analyze regional inscription trends using a line chart.	5	High	Team

Sprint-2	Filters	USN-8	As a user, I can filter data by country, region, year, and category.	4	High	Team
Sprint-2	Dashboard Design	USN-9	As a user, I can view a responsive and well-designed dashboard.	3	Medium	Team
Sprint-3	Story Creation	USN-10	As a user, I can view a story with multiple scenes explaining insights.	5	High	Team
Sprint-3	Performance Testing	USN-11	As a developer, I can test dashboard performance and optimize loading time.	4	Medium	Team
Sprint-3	Calculated Fields	USN-12	As a developer, I can create calculated fields for advanced analysis.	3	Medium	Team
Sprint-4	Web Integration	USN-13	As a developer, I can embed the Tableau dashboard into a Flask web application.	5	High	Team
Sprint-4	Documentation	USN-14	As a developer, I can prepare step-by-step project documentation.	4	High	Team
Sprint-4	Demo Video	USN-15	As a developer, I can record and submit a project demonstration video.	3	Medium	Team

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	15 Days	12-12-2025	26-12-2025	20	26-12-2025
Sprint-2	20	15 Days	29-12-2025	12-01-2026	20	12-01-2026
Sprint-3	20	15 Days	15-01-2026	29-01-2026	20	29-01-2026

Sprint-4	20	15 Days	02-02-2026	16-02-2026	20	20-02-2026

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)

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

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

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