

Project Planning Phase

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

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID49283 |
| 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 |

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|----------|-------------------------------|-------------------|--|--------------|----------|--------------|
| 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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

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