

Project Planning Phase

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

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|---------------|---|
| Date | 20 feb 2026 |
| Team ID | LTVIP2026TMIDS77496 |
| Project Name | Measuring the pulse of prosperity: an index of economic freedom |
| 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 |
|----------|-------------------------------|-------------------|---|--------------|----------|
| Sprint-1 | Data Analysis & Visualization | USN-1 | As a Policymaker, I want to view a world map showing economic freedom scores by country, so that I can quickly identify regions with high or low economic prosperity and potential policy impact areas. | 2 | High |
| Sprint-1 | Data Analysis & Visualization | USN-2 | As an Economic Researcher, I want to filter economic data by specific years and countries, so that I can conduct in-depth analysis on historical trends and compare performance across different nations. | 2 | High |
| Sprint-1 | Data Analysis & Visualization | USN-3 | As an Investor, I want to see the top 40 and least ranked countries based on their economic index, so that I can identify potential investment opportunities or risks in various markets. | 4 | High |
| Sprint-2 | Data Ingestion & Management | USN-4 | As a User, I want to upload new economic datasets (e.g., CSV, Excel), so that I can incorporate the latest information into the analysis and update the index | 3 | Medium |

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|----------|---------------------------------|-------|---|---|--------|
| Sprint-2 | Data Analysis & Visualization | USN-5 | As an Economic Researcher, I want to view correlations between economic freedom and indicators like unemployment rate and GDP growth, so that I can understand the multifaceted impacts of economic policies. | 4 | High |
| Sprint-3 | Reporting & Export | USN-6 | As a User, I want to export visualizations (e.g., charts, maps) as image files, so that I can easily include them in presentations or reports. | 4 | Medium |
| Sprint-3 | User Management & Authorization | USN-7 | As an Administrator, I want to manage user accounts and roles, so that I can access levels to sensitive data and functionalities. | 3 | High |

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

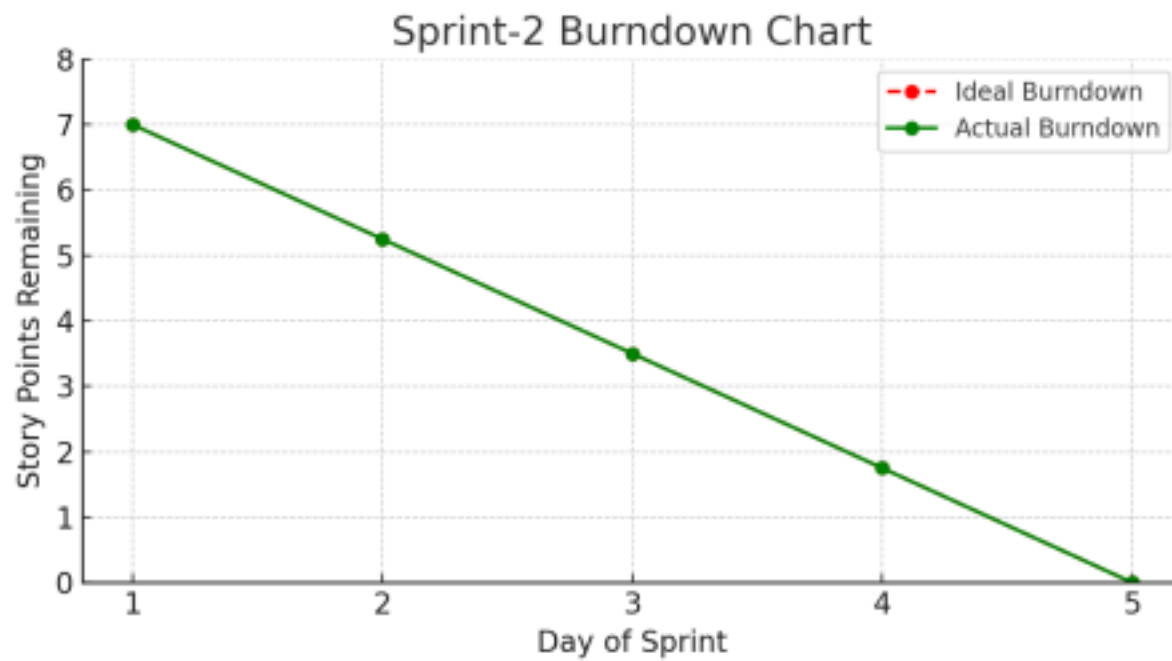
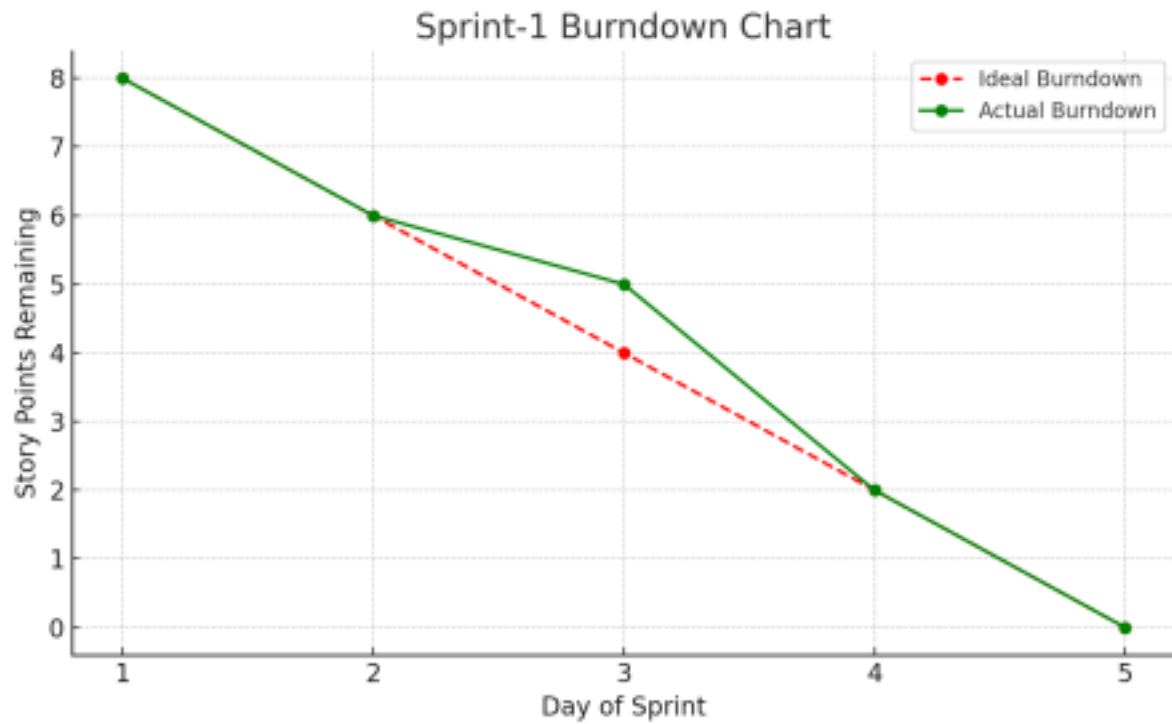
| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|----------|--------------------|----------|-------------------|---------------------------|---|------------------------------|
| Sprint-1 | 8 | 5 Days | 16 June 2025 | 21 June 2025 | 6 | 21 June 2025 |
| Sprint-2 | 7 | 5 Days | 21 June 2025 | 25 June 2025 | 7 | 25 June 2025 |
| Sprint-3 | 7 | 5 Days | 25 June 2025 | 30 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)

$$AV = \text{sprint duration} / \text{velocity} = 15 / 10 = 1.5$$

Burndown Chart:



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

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