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

Date	28 June 2025
Team ID	LTVIP2025TMID51574
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using 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 Member
Sprint-1	Data Preparation	USN-1	Upload housing dataset in CSV format	3	High	Myself
Sprint-1	Data Cleaning	USN-2	Clean and prepare the dataset for use in Tableau	4	High	Myself
Sprint-1	Visualizations	USN-3	Create bar, pie, and donut charts for sales trends	5	High	Myself
Sprint-2	Filter Integration	USN-4	Apply filters (top-N, price range, age) in the dashboard	4	Medium	Myself
Sprint-2	Story Creation	USN-5	Build a Tableau story with scenes, titles, and captions	5	High	Myself
Sprint-2	Dashboard Publishing	USN-6	Publish the dashboard to Tableau Public and generate a shareable link	3	High	Myself
Sprint-3	Performance Testing	USN-7	Test dashboard performance with filters and load	4	Medium	Myself
Sprint-3	Screenshot & Documentation	USN-8	Capture screenshots and export insights for the final report	4	Medium	Myself

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Member
Sprint-3	GitHub Folder Setup	USN-9	Organize files and submit using required folder structure	4	High	Myself
Sprint-4	Final Review	USN-10	Review and validate all content before submission	6	High	Myself
Sprint-4	Video Demo	USN-11	Record walkthrough demo of the dashboard and upload	6	High	Myself

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint-1	12	6 Days	20 June 2025	25 June 2025	12	25 June 2025
Sprint-2	12	6 Days	26 June 2025	1 July 2025	12	1 July 2025
Sprint-3	12	6 Days	2 July 2025	7 July 2025		
Sprint-4	12	6 Days	8 July 2025	13 July 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)

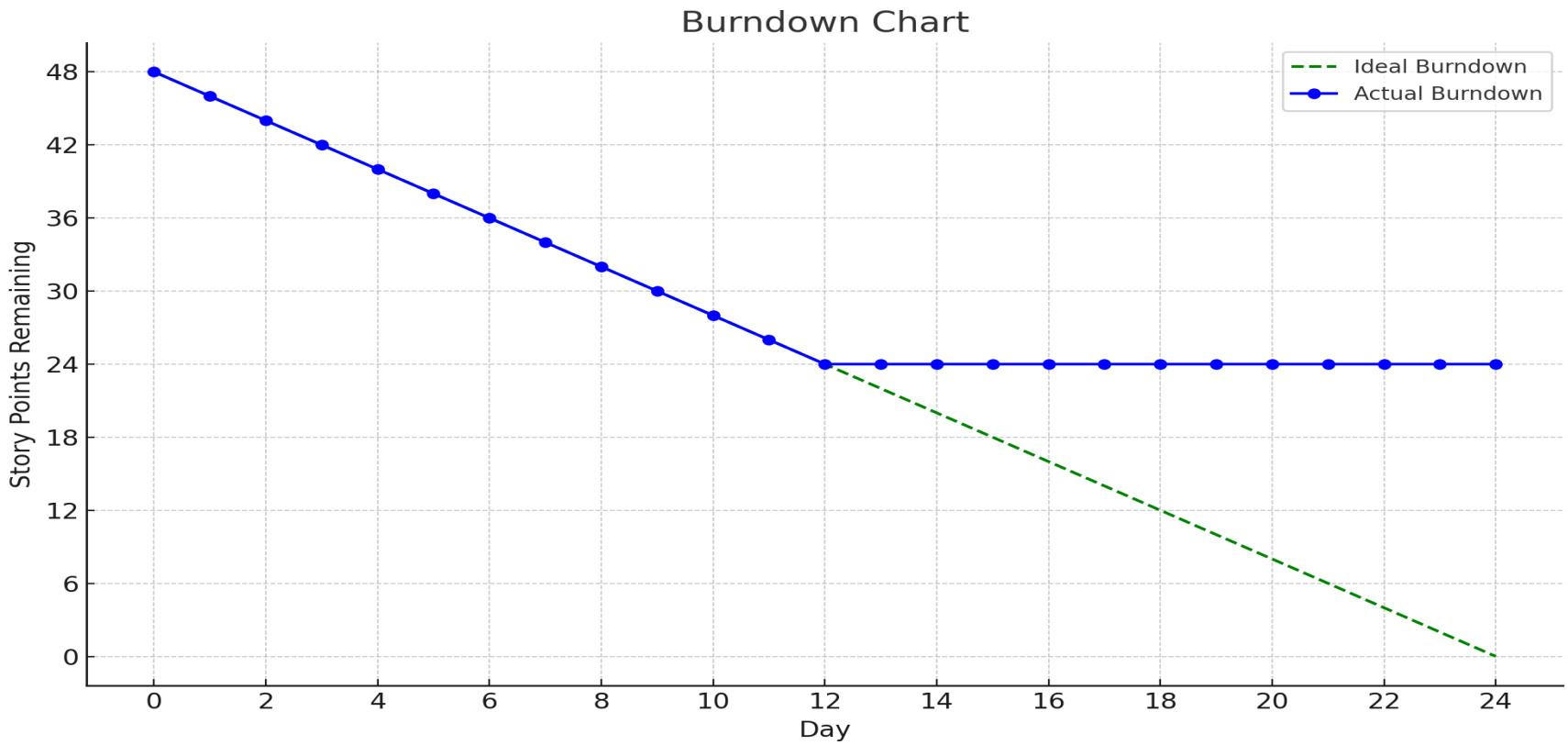
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

📌 Average Velocity:

- AV = Total Completed Story Points ÷ Number of Days
- AV = 24 SP ÷ 12 days = 2 SP/day ✓

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
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