Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID51671
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 Members
Sprint-1	Data Collection	USN-1	As a user, I can collect and clean housing market data.	2	High	Uday Kumar
Sprint-1	Data Storage	USN-2	As a user, I can store the dataset in Excel/SQL for easy use in Tableau	2	High	Sk. Intiaz
Sprint-1	Preprocessing	USN-3	As a user, I can organize the data by location, price, and features.	3	High	Sk. Shahina
Sprint-1	Filtering	USN-4	As a user, I can filter data by city, area, or number of rooms.	3	High	S. Venkata Jahnavi
Sprint-2	Dashboard Design	USN-5	As a user, I can view charts showing price trends across different areas	2	Medium	Uday Kumar
Sprint-2	Dashboard Design	USN-6	As a user, I can compare house prices by features like area and bedrooms	2	Medium	Sk. Intiaz
Sprint-2	Web Integration	USN-7	As a user, I can view the dashboard using a web app (Flask or simple HTML).	3	High	Sk. Shahina
Sprint-2	Final Work	USN-8	As a team, we will test the dashboard and prepare documentation.	3	High	S. Venkata Jahnavi

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

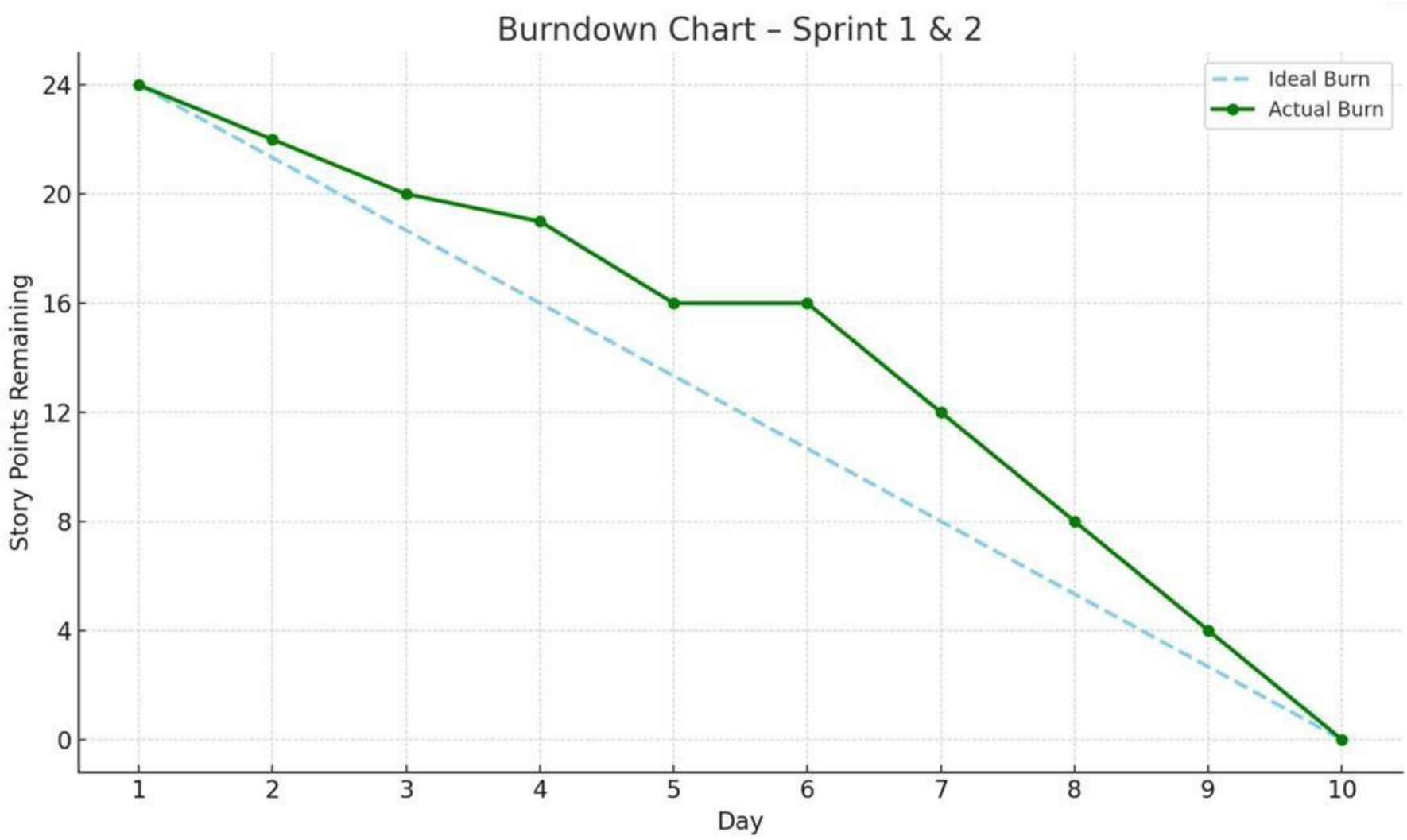
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	5 Days	18 June 2025	22 June 2025	10	22 Jun 2025
Sprint-2	10	65Days	23 June 2025	27 June 2025	12	27 June 2025

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)

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

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

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