Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID49598
Project Name	Visualising Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection & Cleaning	USN-1	As a data engineer, I want to collect housing data and clean missing/duplicate values.	3	High	Student 1
Sprint-1	Feature Calculation	USN-2	As a data engineer, I want to calculate house age and years since renovation from the raw dataset.	2	High	Student 1
Sprint-1	Visualisation – KPIs	USN-3	As a Tableau developer, I want to display total houses, average price, and basement area as KPIs on the dashboard.	2	Medium	Student 2
Sprint-2	Visualisation – Sales by Renovation Age	USN-4	As a user, I want to analyse how sales vary by year since the renovation using a histogram.	3	High	Student 2
Sprint-2	Visualisation – Feature vs Age	USN-5	As a user, I want to compare house age with the number of bathrooms, bedrooms, and floors using grouped bar charts.	4	High	Student 2

Sprint-2	**Interactivity & Filters**	**USN-6**	**As a user, I want to filter by renovation status, number of rooms, age group, and view dynamic updates in the charts.**	**3**	**Medium**	**Student 3**
Sprint-2	**Exporting / Sharing Dashboard**	**USN-7**	**As a user, I want to export or snapshot the dashboard views for reporting.**	**1**	**Low**	**Student 4**

Project Tracker, Velocity & Burndown Chart:

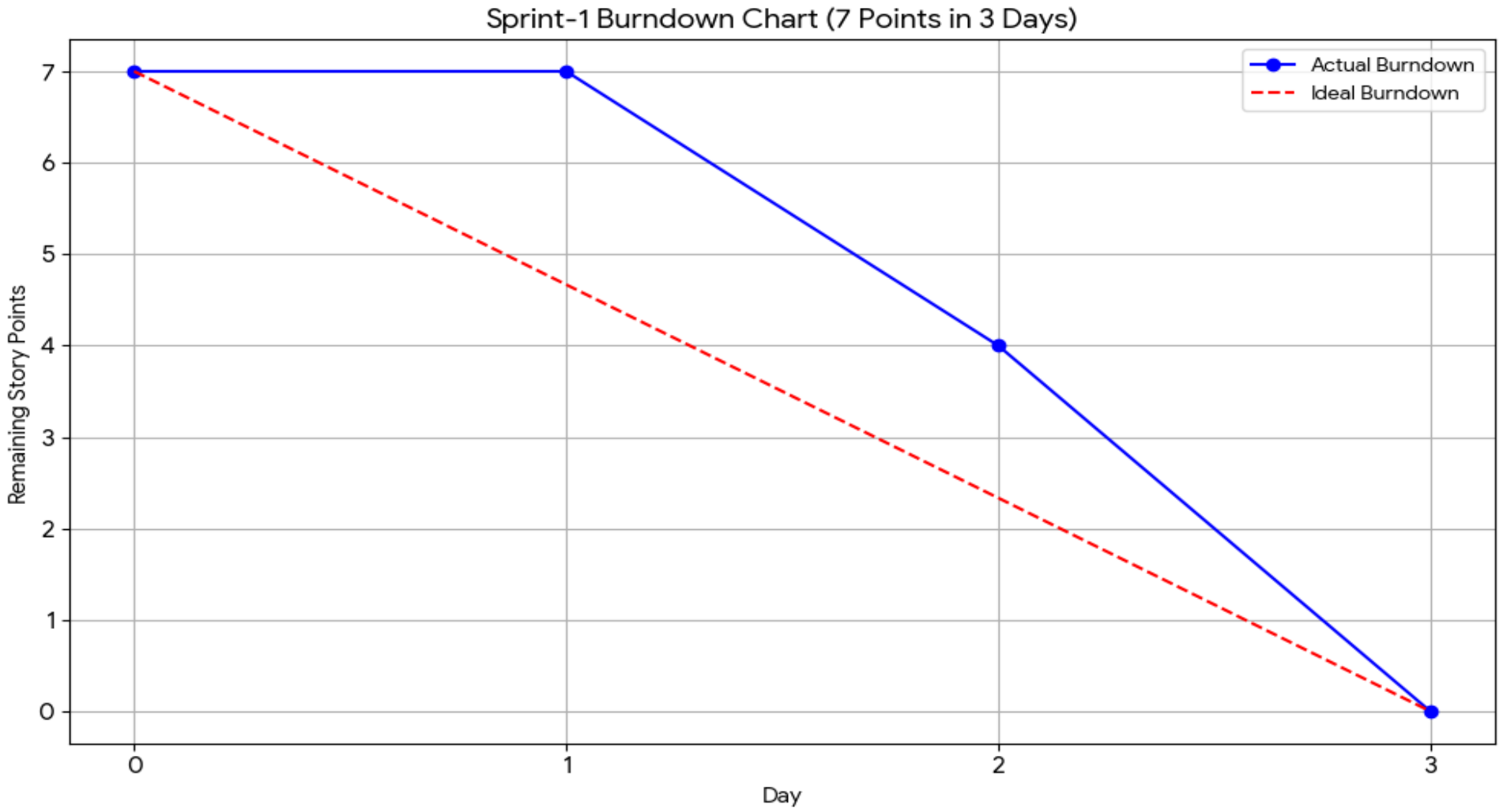
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	**7**	**6 Days**	**21 June 2025**	**23 June 2025**	**7**	**23 June 2025**
Sprint-2	**11**	**6 Days**	**27 June 2025**	**27 June 2025**	**11**	**27 June 2025**

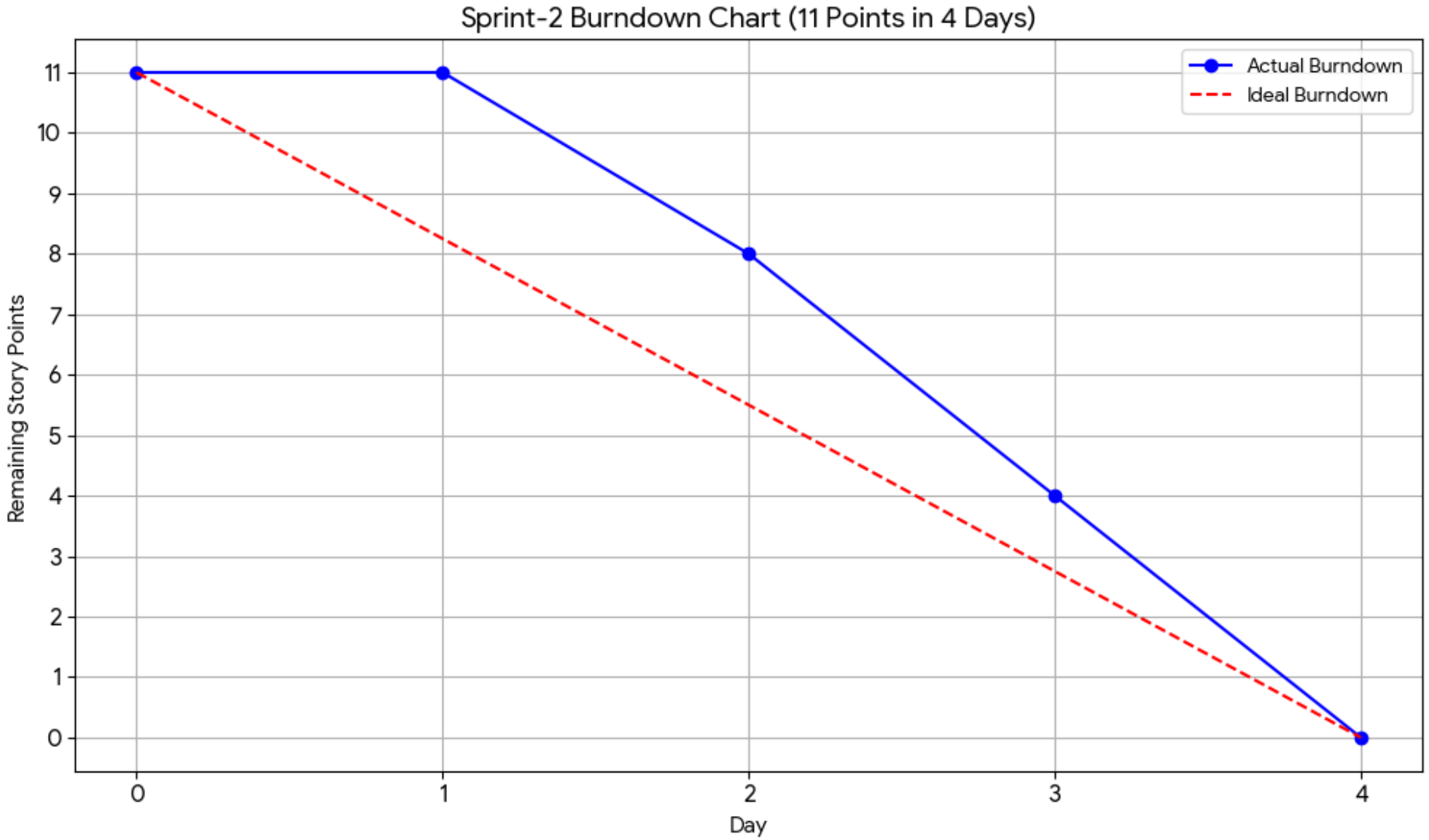
Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

- **Total Story Points Completed:** 7 (Sprint-1) + 11 (Sprint-2) = **18**
- **Total Days Worked:** 3 + 4 = **7 Days**
- ☑ **Average Velocity per Sprint:**
  - Sprint-1: 7 / 3 = 2.33 story points/day
  - Sprint-2: 11 / 4 = 2.75 story points/day
  - ☑ **Overall Average Velocity:**
    18 story points / 7 days = **2.57 story points/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.




Sprint-2 Burndown Chart (11 Points in 4 Days)
Actual Burndown
Ideal Burndown
Remaining Story Points
Day
0
1
2
3
4
0
1
2
3
4
5
6
7
8
9
10
11