Project Planning Phase

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

Date	09 Aug 2025
Team ID	PNT2025TMID14540
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 upload housing data in CSV format	3	High	Annamdevula Hema Venkata Sri
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	5	High	Annamdevula Hema Venkata Sri
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like TotalAreaSqft	2	Medium	Annamdevula Hema Venkata Sri
Sprint-2	Price Binning	USN-4	As a user, I can create SalePriceBin for grouping houses	2	Medium	Dola Gowthami
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	Dola Gowthami
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	Dola Gowthami
Sprint-3	Dashboard Styling	USN-7	As a user, I can style the dashboard for better readability and navigation	2	Medium	Chillara Venkata Ramakrishna
Sprint-3	Flask Integration	USN-8	As a developer, I can embed Tableau dashboard into a Flask web app	5	High	Chillara Venkata Ramakrishna
Sprint-3	Embed Testing	USN-9	As a user, I can test and review the embedded dashboard UI	2	Medium	Chillara Venkata Ramakrishna
Sprint-1	Documentation	USN-10	As a team, we can prepare final project documentation	3	High	Annamdevula Hema Venkata Sri

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

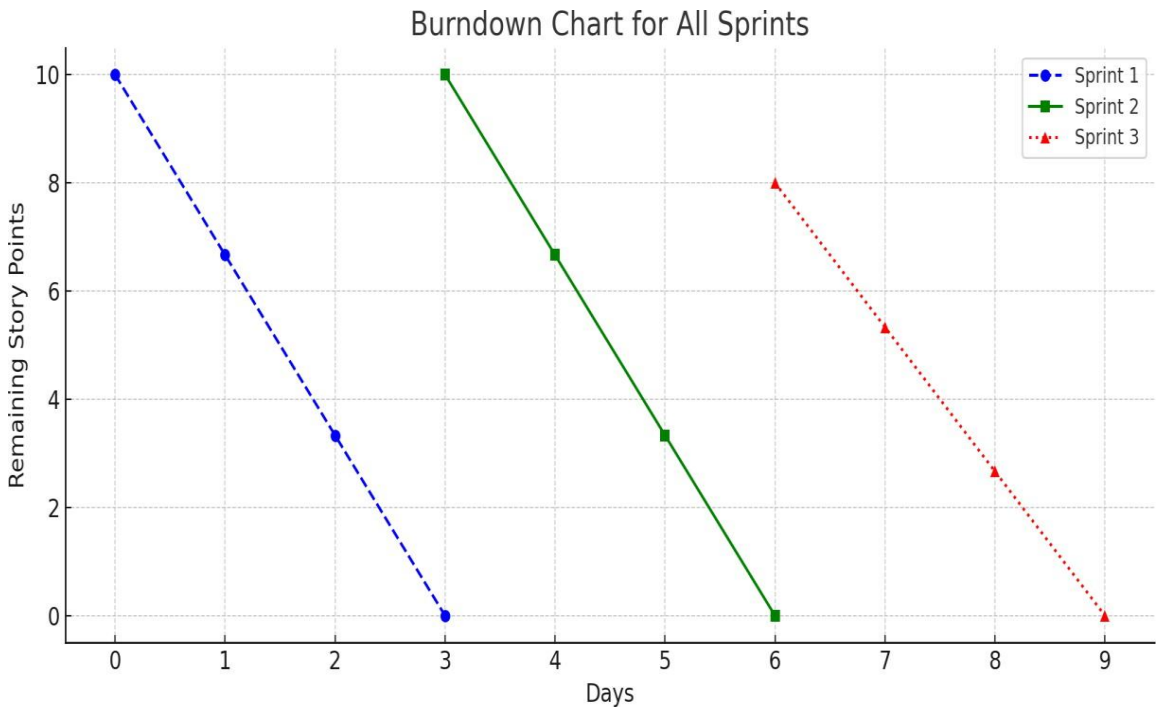
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	3 Days	27 June 2025	1July 2025	10	30 June 2025
Sprint-2	10	3 Days	28 June 2025	2July 2025	10	1 July 2025
Sprint-3	8	3 Days	29 June 2025	3 July 2025	8	2 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)

$$AV = 28/9 \approx 3.11 \text{story points/day}$$

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.


Burndown Chart for All Sprints
Remaining Story Points
Days
Sprint 1
Sprint 2
Sprint 3
0
2
4
6
8
10
0
1
2
3
4
5
6
7
8
9