Project Planning Phase

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

Date	03 February 2026
Team ID	LTVIP2026TMIDS73146
Project Name	**Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau**
Maximum Marks	8 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	Housing Data Collection & Preparation	USN-1	As a user, I can load housing dataset into Tableau for analysis	2	High	5
Sprint-1	Housing Data Collection & Preparation	USN-2	As a user, I can clean and preprocess housing data for visualization	2	High	5
Sprint-2	Dashboard Development	USN-3	As a user, I can view housing sales trend dashboard	3	High	5
Sprint-2	Dashboard Development	USN-4	As a user, I can view renovation impact and house age distribution charts	3	High	5
Sprint-3	Feature Analysis Dashboard	USN-5	As a user, I can analyze housing features like bedrooms, bathrooms and floors impact on price	3	High	5
Sprint-4	Story & Final Visualization	UNS-6	As a user, I can view Tableau story explaining housing market insights	2	Medium	5

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	4	2 Days	04 Feb 2026	06 Feb 2022	4	03 Feb 2026
Sprint-2	6	2 Days	07 Feb 2026	09 Feb 2022	6	03 Feb 2026
Sprint-3	3	2 Days	10 Feb 2026	12 Feb 2022	3	03 Feb 2026
Sprint-4	2	2 Days	13 Feb 2026	15 Feb 2022	2	03 Feb 2026

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 Team Velocity = 3.75 Story Points per Sprint

Burndown Chart:

The burndown chart shows the remaining work (story points) versus sprint time.

At the start of the sprint, total story points are higher and gradually reduce as tasks are completed.

In this project, story points decrease day by day as housing dashboard development, data cleaning, visualization, and story creation tasks are completed.

The burndown chart helps track project progress and ensures sprint goals are achieved on time.