

Project Planning Phase

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

Date	20 February 2026
Team ID	LTVIP2026TMIDS38402
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As an admin, I can upload housing dataset (CSV) into the system.	3	High	Data Analyst
Sprint-1	Data Cleaning	USN-2	As a system, I can clean and preprocess housing data (remove nulls, duplicates)	5	High	Data Analyst
Sprint-1	Basic Dashboard	USN-3	As a user, I can view basic housing price trends dashboard	5	High	Tableau Developer
Sprint-2	Advanced Analytics	USN-4	As a user, I can analyze price based on bedrooms, bathrooms, and floors	5	High	Tableau Developer
Sprint-2	Renovation Analysis	USN-5	As a user, I can compare house prices before and after renovation	3	Medium	Data Analyst
Sprint-3	Interactive Filters	USN-6	As a user, I can filter data by year, location, and price range	5	High	Tableau Developer
Sprint-3	Story Dashboard	USN-7	As a user, I can view a story-based dashboard with insights	5	Medium	Tableau Developer
Sprint-4	Deployment	USN-8	As an admin, I can deploy dashboard to cloud for public access	4	High	Cloud Engineer
Sprint-4	Performance Optimization	USN-9	As a system, I can optimize dashboard loading performance	3	Medium	Developer

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	20	6 Days	29 Jan 2026	03 Feb 2026	20	03 Feb 2026
Sprint-2	20	6 Days	04 Feb 2026	09 Feb 2026	18	09 Feb 2026
Sprint-3	20	6 Days	10 Feb 2026	15 Feb 2026	20	15 Feb 2026
Sprint-4	20	6 Days	26 Feb 2026	20 Feb 2026	19	20 Feb 2026

Velocity:

Assume:

- Sprint Duration = **6 days**
- Total Story Points per Sprint = **20 points**

Average Velocity (AV) per day:

$$\text{Velocity} = \text{Total Story Points} \div \text{Sprint Duration}$$
$$\text{Velocity} = 20 \div 6 = 3.33$$

Average Velocity = 3.33 story points per day

Burndown Chart:

The burndown chart illustrates the reduction of remaining story points across the four sprints from 29th January to 20th February 2026, showing the team's progress toward completing the Housing Market Analysis project as planned.

