

## Project Planning Phase

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

Date	17 Feb 2026
Team ID	LTVIP2026TMIDS24186
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	Tunuguntla Gouri Niteesha
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	5	High	Tunuguntla Gouri Niteesha
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like TotalAreaSoft	2	Medium	Tunuguntla Gouri Niteesha
Sprint-2	Price Binning	USN-4	As a user, I can create SalePriceBin for grouping houses	2	Medium	Tunuguntla Gouri Niteesha
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	Tunuguntla Gouri Niteesha
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	Tunuguntla Gouri Niteesha
Sprint-3	Dashboard Styling	USN-7	As a user, I can style the dashboard for better readability and navigation	2	Medium	Tunuguntla Gouri Niteesha
Sprint-3	Flask Integration	USN-8	As a developer, I can embed Tableau dashboard into a Flask web app	5	High	Tunuguntla Gouri Niteesha
Sprint-3	Embed Testing	USN-9	As a user, I can test and review the embedded dashboard UI	2	Medium	Tunuguntla Gouri Niteesha
Sprint-1	Documentation	USN-10	As a team, we can prepare final project documentation	3	High	Tunuguntla Gouri Niteesha

**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	21 Jan 2026	23 Jan 2026	10	12 Feb 2026
Sprint-2	10	3 Days	21 Jan 2026	23 Jan 2026	10	13 Feb 2026
Sprint-3	8	3 Days	29 Jan 2026	3 Feb 2026	8	14 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)

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

**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

