

## Project Planning Phase

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

Date	25 June 2025
Team ID	LTVIP2025TMID20843
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 data analyst, I want to download the housing dataset for processing.	2	High	Ganta Sai Babu
Sprint-1	Data collection	USN-2	As a data analyst, I want to load the dataset into Tableau Prep.	1	High	Darla Ranganayakulu
Sprint-1	Data preparation	USN-3	As a data analyst, I want to handle missing values in the dataset	3	High	Cherukuri Veda Samhitha
Sprint-1	Data preparation	USN-4	As a data analyst, I want to transform categorical features.	2	Medium	Cherukuri Veda Samhitha
Sprint-2	KPI visualization	USN-5	As a stakeholder, I want to view KPIs like average sale price and record count.	2	High	Ganta Sai Babu
Sprint-2	Visualization by Renovation	USN-6	As a stakeholder, I want to see how renovations affect house prices.	2	Medium	Cheekurthi Angel
Sprint-2	Feature-based Visualization	USN-7	As a stakeholder, I want to see house age by bathrooms, bedrooms, and floors.	3	High	Cherukuri Veda Samhitha
Sprint-2	Dashboard Sharing	USN-8	As a manager, I want to download/share the dashboard with the team	1	Medium	Cheekurthi Angel

### 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	8	5 Days	20 June 2025	24 June 2025	8	24 June 2025
Sprint-2	8	5 Days	25 June 2025	29 June 2025	TBD	TBD

### Velocity:

**Velocity = Total Story Points Completed / Number of Sprints**

= 8 / 1 = 8 story points/sprint **(after Sprint-1)**

Once Sprint-2 is complete:

Velocity = (8 + 8) / 2 = 8 story points/sprint **(maintained)**

### 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:

Use tools like Excel or Google Sheets to plot:

X-axis: Days of the sprint

Y-axis: Remaining story points

Show planned vs actual burndown

