

## Project Planning Phase

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

Date	22/06/25
Team ID	LTVIP2025TMID47833
Project Name	Visualizing housing market trends: an analysis of sale prices and features
Maximum Marks	5 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Epic	User Story No.	User Story / Task	Points	Priority	Assigned To
Sprint-1	Data Setup	USN-1	As a user, I can upload housing data in CSV format	3	High	chintalapudi sravanthi
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	4	High	chintalapudi sravanthi
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like TotalAreaSqft	2	Medium	chintalapudi sravanthi
Sprint-1	Price Binning	USN-4	As a user, I can create SalePriceBin for grouping houses	2	Medium	kottu akshra
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	donga satya kalyani
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	donga satya kalyani
Sprint-2	Dashboard Styling	USN-7	As a user, I can style the dashboard for better readability and navigation	2	Medium	kottu akshra
Sprint-3	Storytelling	USN-8	As a user, I can create a Tableau Story showing insights step by step	2	Medium	choppala himabindhu
Sprint-3	Flask Integration	USN-9	As a developer, I can embed Tableau dashboard into a Flask web app	4	High	kottu akshra
Sprint-3	Embed Testing	USN-10	As a user, I can test and review the embedded dashboard UI	2	Medium	choppala himabindhu
Sprint-4	Documentation	USN-11	As a team, we can prepare final project documentation	3	High	choppala himabindhu
Sprint-4	Demo Preparation	USN-12	As a team, we can prepare and rehearse a full demo walkthrough	2	Medium	chintalapudi sravanthi

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

$$\text{Velocity} = \frac{\text{Total Story Points}}{\text{Total Days}} = \frac{35}{16} \approx 2.19$$

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
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Sprint-1	11	4 Days	11 June 2025	14 June 2025	11	14 June 2025
Sprint-2	10	4 Days	15 June 2025	18 June 2025	10	18 June 2025
Sprint-3	7	4 Days	19 June 2025	22 June 2025	7	22 June 2025
Sprint-4	7	4 Days	23 June 2025	26 June 2025	7	26 June 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)

### 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.

Combined Burndown Chart for All Sprints

