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

Date	05 February 2026
Team ID	LTVIP2026TMIDS34781
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	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	**Vadla Venu Priya**
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	4	High	**Sadum Thanuja**
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like TotalAreaSqft	2	Medium	**Mothukuri Venkata Lakshmi Eshitha**
Sprint-1	Price Binning	USN-4	As a user, I can create SalePriceBin for grouping houses	2	Medium	**R Jahnavi**
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	**Chennuboina Sai Surendra Yadav**
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	**Sadum Thanuja**

Sprint	Epic	User Story No.	User Story / Task	Points	Priority	Assigned To
Sprint-2	Dashboard Styling	USN-7	As a user, I can style the dashboard for better readability and navigation	2	Medium	**Vadla Venu Priya**
Sprint-3	Storytelling	USN-8	As a user, I can create a Tableau Story showing insights step by step	2	Medium	**R Jahnavi**
Sprint-3	Flask Integration	USN-9	As a developer, I can embed Tableau dashboard into a Flask web app	4	High	**Sadum Thanuja**
Sprint-3	Embed Testing	USN-10	As a user, I can test and review the embedded dashboard UI	2	Medium	**Mothukuri Venkata Lakshmi Eshitha**
Sprint-4	Documentation	USN-11	As a team, we can prepare final project documentation	3	High	**Chennuboina Sai Surendra Yadav**
Sprint-4	Demo Preparation	USN-12	As a team, we can prepare and rehearse a full demo walkthrough	2	Medium	**Vadla Venu Priya**
Sprint-4	Bug Fixing / Final QA	USN-13	As a team, we can test the full system and fix visual/logic bugs	2	Medium	**R Jahnavi**

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

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
Sprint-1	11	4 Days	06 Feb 2026	09 Feb 2026	11	09 Feb 2026
Sprint-2	10	4 Days	10 Feb 2026	14 Feb 2026	10	14 Feb 2026
Sprint-3	7	4 Days	15 Feb 2026	18 Feb 2026	7	18 Feb 2026
Sprint-4	7	4 Days	19 Feb 2026	22 Feb 2026	7	22 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)

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

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