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

Date	26/02/26
Team ID	LTVIP2026TMIDS80755
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	**Bonthalapati Radhika**
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	4	High	**Ganga Sangeetha Thonduru**
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like TotalAreaSqft	2	Medium	**Thalluru Rajeshwari**
Sprint-1	Price Binning	USN-4	As a user, I can create SalePriceBin for grouping houses	2	Medium	**Pothireddy Nithisha**

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Sprint	Epic	User Story No.	User Story / Task	Points	Priority	Assigned To
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	**Bonthalapati Radhika**
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	**Ganga Sangeetha Thonduru**
Sprint-2	Dashboard Styling	USN-7	As a user, I can style the dashboard for better readability and navigation	2	Medium	**Thalluru Rajeshwari**
Sprint-3	Storytelling	USN-8	As a user, I can create a Tableau Story showing insights step by step	2	Medium	**Pothireddy Nithisha**
Sprint-3	Flask Integration	USN-9	As a developer, I can embed Tableau dashboard into a Flask web app	4	High	**Thalluru Rajeshwari**
Sprint-3	Embed Testing	USN-10	As a user, I can test and review the embedded dashboard UI	2	Medium	**Bonthalapati Radhika**
Sprint-4	Documentation	USN-11	As a team, we can prepare final project documentation	3	High	**Pothireddy Nithisha**
Sprint-4	Demo Preparation	USN-12	As a team, we can prepare and rehearse a full demo walkthrough	2	Medium	**Ganga Sangeetha Thonduru**

Sprint- Bug Fixing / Final
4   QA   USN-13   As a team, we can test the full system and fix   **Pothireddy   Nithisha**
                                         visual/logic bugs   2   Medium

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	11 Feb 2026	14 Feb 2026	11	14 Feb 2026
Sprint-2	10	4 Days	15 Feb 2026	18 Feb 2026	10	18 Feb 2026
Sprint-3	7	4 Days	19 Feb 2026	22 Feb 2026	7	22 Feb 2026
Sprint-4	7	4 Days	23 Feb 2026	26 Feb 2026	7	26 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