Project Planning Phase

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

Date	20/02/26
Team ID	LTVIP2026TMIDS34933
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	Bhagya
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	4	High	Bhagya
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like TotalAreaSqft	2	Medium	Pravallika
Sprint-1	Price Binning	USN-4	As a user, I can create SalePriceBin for grouping houses	2	Medium	Greeshma
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	Pravallika
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	Saketh
Sprint-2	Dashboard Styling	USN-7	As a user, I can style the dashboard for better readability and navigation	2	Medium	Greeshma
Sprint-3	Storytelling	USN-8	As a user, I can create a Tableau Story showing insights step by step	2	Medium	Saketh
Sprint-3	Flask Integration	USN-9	As a developer, I can embed Tableau dashboard into a Flask web app	4	High	Bhagya
Sprint-3	Embed Testing	USN-10	As a user, I can test and review the embedded dashboard UI	2	Medium	Bhagya
Sprint-4	Documentation	USN-11	As a team, we can prepare final project documentation	3	High	Pravallika
Sprint-4	Demo Preparation	USN-12	As a team, we can prepare and rehearse a full demo walkthrough	2	Medium	Saketh
Sprint-4	Bug Fixing / Final QA	USN-13	As a team, we can test the full system and fix visual/logic bugs	2	Medium	Greeshma

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	12 Feburuary 2026	12 Feburuary 2026	11	13 Feburuary 2026
Sprint-2	10	4 Days	13 Feburuary 2026	14 Feburuary 2026	10	15 Feburuary 2026
Sprint-3	7	4 Days	15 Feburuary 2026	18 Feburuary 2026	7	18 Feburuary 2026
Sprint-4	7	4 Days	18 Feburuary 2026	20 Feburuary 2026	7	21 Feburuary 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)

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

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.