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

Date	15 February 2025
Team ID	
Project Name	
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 & Cleaning	USN-1	As a user, I can collect housing market data from reliable sources (e.g., CSV, APIs).	3	High	[Names]
Sprint-1	Data Collection & Cleaning	USN-2	As a user, I can clean and preprocess the data to remove inconsistencies and missing values.	2	High	[Names]
Sprint-1	Dashboard Design	USN-3	As a user, I can design a Tableau dashboard layout for visualizing housing trends.	2	Medium	[Names]
Sprint-2	Visualization Development	USN-4	As a user, I can create a scatter plot to analyze the relationship between sale prices and square footage.	3	High	[Names]
Sprint-2	Visualization Development	USN-5	As a user, I can develop a geographic map to show price distribution by location.	3	High	[Names]
Sprint-3	Advanced Analytics	USN-6	As a user, I can implement filters to dynamically explore data (e.g., by year, neighborhood).	2	Medium	[Names]

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Advanced Analytics	USN-7	As a user, I can add trend lines or predictive models to forecast price changes.	4	Low	[Names]
Sprint-4	Finalization & Testing	USN-8	As a user, I can test the dashboard for usability and performance.	2	High	[Names]
Sprint-4	Finalization & Testing	USN-9	As a user, I can document insights and prepare a presentation of findings.	1	Medium	[Names]

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	7	6 Days	24 Oct 2025	29 Oct 2025	7	29 Oct 2025
Sprint-2	6	6 Days	31 Oct 2025	05 Nov 2025	6	05 Nov 2025

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-3	6	6 Days	07 Nov 2025	12 Nov 2025	6	12 Nov 2025
Sprint-4	3	6 Days	14 Nov 2025	19 Nov 2025	3	19 Nov 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.