Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID49022
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	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection & Cleaning	USN-1	As an analyst, I can import housing data (CSV/API) into Tableau after cleaning missing values/outliers.	3	High	Data Engineer
Sprint-1		USN-2	As a user, I want data normalized (e.g., price/sqft) for consistent analysis.	2	High	Analyst
Sprint-2	Dashboard Design (Core Visualizations)	USN-3	As a stakeholder, I can view a geographic map of prices by zip code.	5	High	Designer
Sprint-2		USN-4	As a user, I can filter price trends by year (2010–2025).	3	Medium	Developer
Sprint-3	Advanced Features	USN-5	As an investor, I can compare price vs. square footage via scatter plots.	4	High	Developer

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-6	As a user, I can toggle between metrics (median price, % change) on the dashboard.	2	Low	Designer
Sprint-4	Deployment & Testing	USN-7	As an admin, I can publish the dashboard to Tableau Server with role-based access.	3	High	DevOps
Sprint-4		USN-8	As a tester, I can validate tooltips/filters for accuracy.	1	Medium	QA

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	5	7 Days	01 Mar 2025	07 Mar 2025	5	07 Mar 2025
Sprint-2	8	7 Days	08 Mar 2025	14 Mar 2025	8	14 Mar 2025
Sprint-3	6	7 Days	15 Mar 2025	21 Mar 2025	6	21 Mar 2025
Sprint-4	4	7 Days	22 Mar 2025	28 Mar 2025	4	28 Mar 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts