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

Date	
Team ID	
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	Dashboard Access	USN-1	As a user, I can access the Tableau dashboard to explore housing sale price data.	2	High	All
Sprint-1	Dashboard Access	USN-2	As a user, I can filter properties by neighbourhood, bedroom count, and overall quality.	3	High	All
Sprint-1	Dashboard Access	USN-3	As a user, I can view site-level details by clicking on data points in the scatter plot.	2	Medium	All
Sprint-1	Dashboard Access	USN-4	As a user, I can view KPI cards showing average sale price, min, max, and count.	3	High	All
Sprint-2	Visuali- zation	USN-5	As a user, I can view charts (scatter plot, bar chart, heat map, line chart, pie chart).	5	High	All
Sprint-2	Visuali- zation	USN-6	As a user, I can see forecasted price trends in the line chart by sale year.	3	Medium	All
Sprint-3	Export & Share	USN-7	As a user, I can download or share charts for inclusion in reports.	2	Medium	All
Sprint-3	Export & Share	USN-8	As a user, I can share dashboard links with peers and stakeholders.	2	Low	All

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	20	6 Days				
Sprint-2	20	6 Days				
Sprint-3	20	6 Days				
Sprint-4	20	6 Days				

Velocity:

Imagine we have a 6-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).

Velocity = Total Story Points Completed / Number of Sprints

= (20 + 20 + 20) / 3 = 20 story points per sprint

Team velocity: 20 story points / sprint (6 working days)

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.